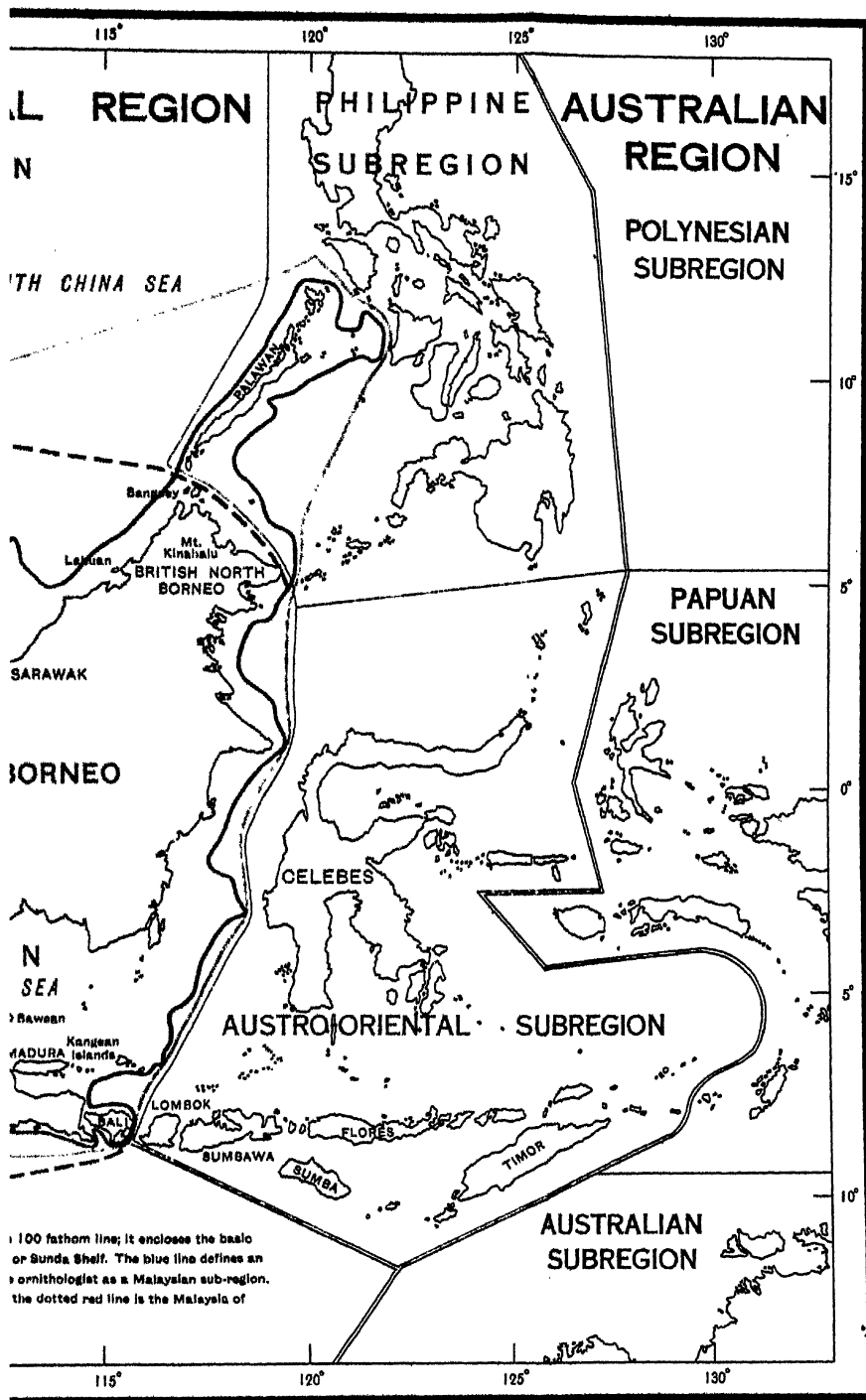




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IARI

A HANDLIST OF MALAYSIAN BIRDS

A SYSTEMATIC LIST OF THE BIRDS OF THE
MALAY PENINSULA, SUMATRA, BORNEO AND
JAVA, INCLUDING THE ADJACENT SMALL
ISLANDS

BY

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INTRODUCTION.

I. ZOO-GEOGRAPHICAL.

Although the term *Malaysia* was used by several zoologists in the nineteenth century only F. H. H. GUILLEMARD¹ seems to have employed it in a systematic sense, and he for the vast region extending from Sumatra to the Philippines and Moluccas, "the home of the true Malay race".

In 1918² C. BODEN KLOSS introduced and defined *Malaysia* in a formal manner as a sub-region of the Oriental Region.—

"Malaysian—pertaining to the Malay Peninsula, Sumatra, Borneo and Java. Malayan—pertaining to the Malay Peninsula, c.f. Sumatran, etc."

To the faunist this restricted *Malaysia* is more homogeneous than the larger sub-region, *Indo-Malaya* of Wallace, within which the Philippines³ provide a sharp division against the Malay Peninsula and Sunda Islands.

The exact boundaries of a zoo-geographical zone must always be of an arbitrary nature and as it is obvious that such a zone is basically physiographical, rather than zoological, it is reasonable to try to fix its natural boundaries with regard to geographical facts "and when zoological appearances do not agree with geographical ones to regard the former as anomalous and endeavour to explain them".⁴

A basic, or physiographical *Malaysia* can soon be defined as all land standing on the Sunda Shelf below about Lat. 10° N. It is an area in which the sea-depths are less than one-hundred and usually less than forty fathoms: it leaps to the eye from a bathymetrical map.

As a zoo-geographical zone of any kind, however, the unmodified Sunda Shelf is not satisfactory and it needs modifications on zoological and geographical grounds, as well as on those of expediency.

For instance, the Malaysian avifauna extends on the *western* side of the Peninsula to about the latitude of Tavoy and the northern boundary of the sub-region ought to be extended thence. A similar

¹ "Australasia", ii, 1894, p. 2.

² Journ. F.M.S. Mus. vii, 1918, p. 245.

³ Excluding the Palawan group and Sibu, the Philippine Islands lie outside the 100 fathom line. Their fauna is poor compared with that of *Malaysia*. It lacks many Malaysian genera, but on the other hand includes many peculiar forms.

⁴ C. Boden Kloss, "The Zoo-geographical Boundaries between Asia and Australia and some Oriental Sub-Regions", Bull. Raffles. Mus., 2, 1929, p. 1.

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fauna is also found on the Nicobar Islands;¹ and on the deep-water islands of the West Sumatran Chain. It has been thought expedient however, to exclude Tenasserim and the Nicobars. They are fully covered by regional publications dealing with British India and the Philippine Islands; their inclusion would be undesirable bibliographically; and furthermore, I have no collections or detailed knowledge of these areas. It can be noted that their omission is not important for they would only add to the list a few geographical races of species already included and, in the case of Tenasserim, one or two continental species.

On the other hand the Sunda Shelf includes the Palawan groups of islands and Sibutu, of which the avifauna though strongly Bornean has a conspicuous Philippine element. As these islands are also politically Philippine and fully covered by other publications they are excluded from the present work.

Lastly, purely on grounds of geographical proximity, the Cocos-Keeling Islands and Christmas Island in the Indian Ocean are included although the natural avifauna of the former is, in the main, *Oceanic*, and of the latter, *Austro-Oriental*.

GENERAL FEATURES OF THE MALAYSIAN AVIFAUNA.

Excluding migratory species (the great majority from the north and a small minority from the south-east) many of which in their non-breeding season are found everywhere in the subregion from its coasts to the tops of its highest mountains, we find that the avifauna is more or less sharply divided at an altitude of about 3,000 feet although such broad division excludes a small, but not unimportant, group of sub-montane forms. The montane forms may, or may not be represented in the lowlands by allied sub-species: usually they are not.

On the mountains of Sumatra, Java and Borneo, Sondaic species occur together with a geographically more widely spread Himalayo-Sondaic element. A third element, more purely Continental (as distinct from Himalayo-Sondaic) reaches the Malayan and Sumatra mountains. An outstanding feature of the mountain ornis is an isolated and imperfectly identified element on the Bornean mountains: it is either Philippine or Austro-Oriental.²

In the lowlands the Himalayo-Sondaic association which is perhaps the palæomalaysian fauna, is lost in the Malaysian, or taking a rather broader view, the Indo-Malayan fauna. The Malaysian fauna is comparatively even, pointing to land connections geologically not

¹ The Andamans and Nicobars form a part of the mountain range that once extended from Cape Negrais in Lower Burma, a continuation of the Arakan Yoma, to Achin Head in Sumatra. The Andamans contain an impoverished Burmese fauna; that of the Nicobars approximates to the Sumatran type. *Malcolm Smith*, 1931.

² See Robinson and Kloss, *Journ. F.M.S. Mus.* viii, 1918, p. 97.

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remote although sub-species of varying degrees of distinctness are usually developed on each of the large land-masses. On the whole the avifauna of Java is the most distinct, indicating the early separation of that island. The birds of Sumatra and the Malay Peninsula are very similar although each area has some characteristic forms, but more specialization is apparent in Borneo.

Java shares with the Indochinese sub-region, but not with the remainder of Malaysia, a small group of species. This is usually explained by a theory which postulates a series of very complicated changes in land-surfaces for which, as in the case of some much simpler changes supposed by the zoo-geographer to have taken place in Malaysia, no geological evidence seems yet to have been brought forward.¹ In this connection, however, another hypothesis demands consideration in which land-levels and connections are only of secondary importance. There is a tendency for many migratory birds to establish themselves, and to become differentiated as resident races in the southern parts, in many cases, on the absolute southern periphery, of their range.

In the case of tropical breeding races of *Charadrius alexandrinus* and *Acrocephalus orientalis* the range of the resident form is still invaded, in season, by the migratory subspecies. Among the passeress we sometimes find resident races in Sumatra, Borneo, and Java, or some combination within this group, with migratory forms of the same species only ranging as far south as the Malay Peninsula. Here it is important to note that the present southern limit of the migrants varies with the species. These migrants (eg. *Oriolus*, *Dicrurus*) seem to dislike the water-crossing and there is a suggestion in all these species that a migratory habit, having established southern, differentiated groups, is dying out.

* * * *

In the systematic part of this book the Malaysian localities for the various species are arranged in four rows corresponding to four *Provinces*, Malayan, Sumatran, Javan and Bornean, and although this arrangement is largely natural, that is to say, in close agreement with both zoological and geographical facts it is also much tempered by a desire for a simple arrangement, and the four provinces are certainly not equal in value. Some of the small islands in particular require further study.

¹ Visual evidence of minor coastal changes in Malaysia to-day suggests an interesting point in connection with the great changes in land-surface that must have taken place in order to produce the erratic distribution of many species. Separation of such land-masses as the Malay Peninsula and Sumatra was probably preceded by a long period during which the intervening ground was a barrier to some species and not to others. For instance, an extensive mangrove swamp in the south of the Straits of Malacca would prevent the passage of leopards but not of monkeys.

INTRODUCTION.

THE MALAYAN PROVINCE.¹

The Malay Peninsula; the small islands close to both its coasts; the Anamba and Tambelan Islands.

The northern boundary of this province and consequently that of the sub-region is here regarded as Lat. 10° N. which is at the narrowest part of the Isthmus of Kra. Any further extension embraces territory within the political limits of British India, which is undesirable. The adopted dividing line, is, furthermore, not unnatural, for although on the west coast, along the region of the heavier rainfall and evergreen forests the Malayan avifauna extends through Tenasserim to about the latitude of Tavoy, on the lowlands of the east coast the Malayan element in the avifauna of Siam stops at the Pakchan Estuary². A herpetologist would draw the southern line of his Indo-chinese fauna at about Lat. 12° N. for by lifting it from 10° N. about a dozen Malayan species of amphibians and reptiles are excluded³. A botanist suggests that the division should be at about the latitude of Singgora in Peninsular Siam and that an intermediate area more Indo-chinese than Malayan lies between Lat. 7° N. and 10° N.⁴. So little is known of the avifauna of the high mountain range between Tenasserim and Siam that any discussion as to its affinities would be unprofitable.

Several faunal boundaries, that is lines either coincident with the geographical limits of climatic changes, past, or present, or indicating former breaks in the continuity of the land surface, and impeding the spread of species, can be appreciated in the Malay Peninsula. There is one in the north, stretching from, roughly, Alor Star in Kedah on the west coast across to Singgora in Peninsular Siam on the east coast. It is noticeable that certain continental species extend further south on the west than on the east side of the Peninsula. There is also reason to suppose that the Peninsula south of Malacca was once isolated, but the biological evidence for this is clearer in mammals than in birds. The shallow, and narrow strait between the mainland and Singapore Island also acts as a minor faunal boundary.

The distinctness of the mountain faunas throughout Malaysia has already been mentioned above. It remains to be added that the true mountain fauna of the Peninsula fades out in Selangor, and

¹ For the ornithological history, general outline, bibliography, etc., of this province, see Robinson, "The Birds of the Malay Peninsula", i, 1927, pp. xiii-xlvi (Peninsula); Chas. and Kloss, Journ. Mal. Br. Roy. Asiatic Soc., vi, pt. iii, 1928, pp. 43-48 (Anamba Islands); Oberholser, Proc. U. S. Nat. Mus., lv, 1919, p. 129 (Tambelan Islands).

² Robinson and Kloss, Journ. Nat. Hist. Soc. Siam, v, 1921, p. 15.

³ Malcolm A. Smith, Faun. Brit. Ind., Reptiles and Amphibia, i, 1931, p. 13.

⁴ Ridley, Journ. Straits Br. Roy. Asiat. Soc. 59, 1911, p. 55.

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that the birds on the hills of Negri Sembilan, Malacca and Johore are usually submontane, or purely lowland species. Certain isolated peaks, even in the north of the Peninsula, are similarly characterized.

Other outstanding features of the peninsular avifauna are that certain continental species occur in the north, but not in the south; that some characteristically Malaysian species only occur in the south; that subspecific variation is north against south, and never west against east, which is interesting in view of the fact that the main physical feature of the Peninsula is a high range of mountains forming a backbone, running north and south; that there is a curious mid-peninsular gap in the range of certain woodpeckers; that, although, like the other land-masses in Malaysia, the Peninsula has developed many subspecies of its own, it contains no species that is not more widely spread, although the Malayan race may be well-differentiated; and that a cuckoo is found in the lowlands in the northern part of the Peninsula and, normally, only in the mountains further south.

In a few species there is a racial similarity between the resident birds of Ceylon, on the one hand, and those of the southern part of the Malay Peninsula, or in rarer cases, other, more remote parts of Malaysia, on the other. This convergence at the extremities of the Ceylon-Burma-Malayan arc is usually attributed to a striking similarity in the two habitats, although it must be noted that the majority of the resident birds in the two areas are very distinct and that the similarities in the avifaunas have, at times, been over-emphasized.

The coastal islands in the Malayan Province are of little special interest ornithologically. Pheasants, partridges, trogons, barbets, woodpeckers, broadbills and most species of babblers are usually absent, or rare, although the Langkawi Islands, off the west coast, are rather unusual in this respect, and therefore perhaps of recent separation. Subspecific differentiation on these small coastal islands is very rare although a Langkawi woodpecker, and a Tioman babbler (*Stachyris*) have been dignified with racial names. Outstanding features are the presence of the argus pheasant on Pangkor in the Straits of Malacca and, most interesting, of a wren-babbler (*Napothera*) otherwise only known from the mountains of the mainland, on Tioman. In the Tioman Archipelago, off the east coast, there are signs of subspecific divergence in the direction of the insular subspecies found in the Anamba Islands.

The resident, purely land-birds of the Anamba Islands in the South China Sea are merely representatives of common Malayan species: most of the species diverge in the direction of large average size, although the differences are very small: as noted above these differences may be adumbrated on the eastern coastal islands of the Malay Peninsula. The Tambelan Islands, between Singapore and Borneo and situated nearer to the latter, have an impoverished avifauna of no special interest, the few resident land-birds apparently belonging to the Anamba subspecies.

INTRODUCTION.

THE SUMATRAN PROVINCE.¹

Sumatra and the shallow water islands off its east coast with which the islands of the Rhio, and Lingga Archipelagos are intimately related. The large islands of Banka and Billiton. The whole of the chain of islands off the west coast of Sumatra, the most important of which from north to south are, Simalur, the Banjak Islands, Nias, the Batu Islands, the Mentawi Islands (Siberut, Sipora, and the Pagi Islands), and Engano.

In spite of the much larger size of the island, the avifauna of Sumatra is less rich than that of the geographically more favourably situated Malay Peninsula, but the two faunas are very closely allied. That of Sumatra shows rather more specialization: it lacks some continental forms, but on the other hand there is present a Sunda Island element. Sumatra has a few peculiar species and numbers of well-differentiated subspecies, but as in the Malay Peninsula no genus, or highly peculiar form is found (*Gymnocrotaphus* and *Chalcocomus* are not here recognized), although the occurrence of *Rimator*, otherwise only known from the Himalayas, is remarkable. In the extreme south of the island there is a minor infiltration of Javanese forms.

Most subspecific differentiation within the island is north against south, but in a few cases races on the alluvial flats of the east coast are not the same as those occupying the older land in the west: In such cases the western race approximates to the Javan and the eastern to the Malayan subspecies.

An interesting item is that a broadbill (*Serilophus*) on the mountains of Acheen in the north of Sumatra is inseparable from the Malay States subspecies, geographically near and opposite, whereas the bird occupying the remainder of Sumatra, that is to the south, is more like that found in the north of the Malay Peninsula.

The faunal boundary which cleaves the island from north to south is the Barisan Range in which the only major depression, that in the neighbourhood of Padang Sidempuan, Lat. $1^{\circ} 30' N.$, forms a second barrier, a number of subspecies being confined to the island north of this place². The low-lying islands on the east coast of Sumatra call for no special remark.

The Rhio and Lingga Archipelagos contain a poor avifauna composed of species common to the lowlands of central-east Sumatra and the south of the Malay Peninsula. The only degree of specialization seems to be an almost imperceptible divergence in the direction of races found in the Anamba and Natuna Islands. The avifaunas of

¹ The basic literature for this province is, or is summarized in, the following papers.—Sumatra: Rob. and Kloss, Journ. F.M.S. Mus., viii, pt. 2, 1918, p. 81; Kloss, Treubia, xiii, 1931, p. 299. Rhio Archipelago: Chasen, Bull. Raffles Mus., 5, 1931, p. 114. Lingga Archipelago: Dammerman, Treubia, viii, 1926, p. 325. Banka: Kloss, *l.c.s.* Billiton: Kloss, Treubia xiii, 1931, p. 293. West Sumatran Islands: Chas. and Kloss, Ibis, 1926, p. 306; Riley, Proc. U.S. Nat. Mus., lxxv, Art. 4, 1929, p. 1.

² See Kloss, Treubia, xiii, 1931, p. 301.

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Banka and Billiton are closely allied but by no means exactly alike and include a few not very distinctive, subspecies. Fresh material on which a critical examination of races in the modern way can be based is needed from Banka, but in the meantime it can be stated that the avifaunas are largely what could be expected from the map positions. Basically, Malay-Sumatran, there is a strong Bornean influence in Billiton which is less strongly marked in Banka.

The islands of the West Sumatra Chain¹ are of special interest for, collectively, they contain many well-marked bird-races, although taking the broad view followed in this handlist, no peculiar species². In their fauna the islands vary much among themselves, and sometimes from Sumatra. There is no proof that this island chain ever formed one land-mass, or that all the islands were ever joined to Sumatra and the whole archipelago cannot be treated as an entity. There is reason for regarding the deeper water islands, that is those outside the one-hundred fathom line (Simalur, the Mentawi Islands, and Engano) as forming a zoo-geographical province, small in area, but equal in value to the four other provinces here adopted. Those within the forty-fathom line, the Batu and Banjak Islands, have a few subspecies of their own, but these are not so distinct as some on the deeper water islands of Simalur and the Mentawi group where most of the land birds are peculiar to the islands. Nias also has a number of subspecies of its own, but these are not so well marked as the most distinctive of the Mentawi races and quite a number of the Nias birds seem inseparable from Sumatran forms.

THE BORNEAN PROVINCE.³

Borneo and its coastal islands, the most important of which are Labuan, and Mantanani off the north-west coast; Maratua, off the east coast; and Pulau Laut off the south-east corner; the North Bornean Islands of Banguey, Balambangan, and Mallewallé; the North and South Natuna Islands; the Karimata Islands.

The outstanding feature of the avifauna of Borneo is that although it has the general Malaysian facies it is more specialized than that of the Malayan and Sumatran, and if consideration is limited to the high-level fauna, even the Javan, Province.

The avifauna is by no means even, either in the mountains, or in the lowlands, and there are several obvious faunal boundaries in the island. The most striking, if not the most efficacious of these is

¹ See Kloss, Proc. Zool. Soc., 1927, p. 797.

² The mammals include an isolated genus of Monkeys (*Simias*), a very distinct langur (*Pygathrix potensiani*), and other very peculiar forms.

³ The basic literature from the systematic view-point can be obtained by reference to.—Moulton, Journ. Straits Br. Roy. Asiat. Soc. 67, 1914, p. 125 (Borneo); Chasen and Kloss, Bull. Raffles Mus., 4, 1930 (Borneo and the coastal islands); Oberholser, Bull. U.S. Nat. Mus. 159, 1932 (Natuna Islands); Chasen and Kloss, Treubia, xiv, 1933, p. 155 (Karimata Islands).

formed by the high mountain ranges of the interior, the general strike of which is in a north-east and south-west direction¹. In some species, a race found east and south of these mountains is separable from that found, broadly speaking, in Sarawak. In many other cases races are distributed, broadly, as above but meet on the northern ("north-western") coast in the neighbourhood of Baram where there is a most important faunal boundary. Occasionally, a northern race thus cut off extends only a short distance down the east coast.

Within the major divisions given above there are also tendencies for areas of faunal distinction to separate in the lowlands of south, and of west Borneo. Certain rivers running west and east act as boundaries in the case of some mammals.

A slight Javan influence is apparent in the south of Borneo.

Turning to the mountains we find that, within the island, the great massif of Mt. Kinabalu in the north has far fewer peculiar forms than was formerly thought, for recent collecting has shewn that it shares most of its birds with other high peaks in North Sarawak. On the neighbouring Mt. Dulit there are signs of independent specialization although these are not so numerous as some recent authors would have us believe. It is interesting to note that a few montane species also occur on the isolated peaks of Poi and Penrissen in the north-west corner of the island: the form is usually that found on the northern mountains, but in one or two cases, distinctive subspecies have been developed.

The islands off the north-west coast of Borneo call for little comment beyond mention of an indigenous race of a small owl on Mantanani.

Mallewallé, Banguay and Balambangan, situated off the northern extremity of Borneo, outside the ten fathom line, but on a bank of less than twenty fathoms, have an avifauna almost entirely Bornean but with slight indications of internal differentiation, and there is also a small non-Bornean element, derived from the adjacent Palawan group of islands.

Maratua island, off the east coast, in the Celebes Sea, has also produced a few subspecies: on it there is, too, a Phillippine influence unknown on the mainland of Borneo or in the Banguay group.

In some respects the avifauna of the Karimata Islands, off the west coast, is closer to that of Sumatra than of Borneo: some of the species merely tend to large size as on other islands in the South China Sea, but within the group two birds seem to be represented by

¹ See a map and paper by E. Banks in Proc. Zool. Soc. 1933, p. 273: and the same author's detailed study of the distribution of *Sciurus przewoski* in Borneo, *op.cit.*, 1931, p. 1336, which also has a useful map.

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well-marked races, one of which, it is most interesting to note, is found on Panebangan Island which lies within the five fathom line and presumably within sight of the Bornean coast.

Many subspecies of birds have been described from the Natuna Islands. The special affinities of the birds of the southern group are Sarawacian, but in the northern islands the Bornean influence is less marked. Only on Great Natuna Island is there anything but an impoverished avifauna.

THE JAVAN PROVINCE.¹

Java with Madura; Bali. Many small islands in the Java Sea, the most important of which are the Thousand Islands; the Watcher Islands off Batavia; the Karimon-Java Islands; Bawean; the Kangean Islands including Raas and Sapudi; various small islands between Bali and Borneo, the most important of which are Arends, Solombo, Kalambau, and Mata Siri. Christmas Island in the Indian Ocean. The Cocos-Keeling Islands.

The avifauna of Java is poorer than that of the three other large land-masses in Malaysia, a circumstance perhaps due to the smaller area of the island. It is, however, the most specialized, or distinct, only a minority of its resident land-birds being inseparable from those occurring in the Malay Peninsula, Sumatra and Borneo, whereas the majority are well-marked peculiar subspecies, or widely divergent forms often called "representative species". The genera *Psaltia* and *Crocius* are peculiar to Java which also shares with the Himalayas, and not with the rest of Malaysia, *Serinus*. One of the most striking features of the Javan avifauna is that it shares a number of birds with the Indo-Chinese sub-region, these being either absent from the rest of Malaysia, or only represented in the north of the Malay Peninsula. This fact has already received notice in this introduction.

In the extreme west of the island is a minor Sumatran infiltration, perhaps of recent date. A marked penetration of Austro-Oriental (Lesser Sunda Island) forms is especially noticeable in the east of the island.

There seems to be a slight reduction in the number of species correlated with longitude, fewer species being represented in the west. Subspecific variation is mainly longitudinal and if a species is divided into western and eastern races, the latter may be found on Bali. In a few cases montane species are represented by different forms on several peaks.

Basic literature for the Javan Province.—"Birds of the Island of Java", Kuroda, 1933 (Java, Thousand Islands &c.); Stresemann, Nov. Zool., xx, 1913, p. 325 and Rensch, Mitt. Zool. Mus., xvi, 1930, p. 530 (Bali); Chasen and Kloss, Treubia xiv, 1933, p. 165 (Karimon-Java); Oberholser, Proc. U.S. Nat. Mus., lii, 1917, p. 183 (Bawean); Hartert, Nov. Zool., ix, 1902, p. 419 (Kangean Islands); Oberholser, Proc. U.S. Nat. Mus., liv, 1917, p. 177 (Solombo, Mata Siri &c.); Chasen, Bull. Raffles Mus., 8, 1933, p. 55 (Christmas Island); "Corals and Atolls", Wood-Jones, 1912 (Cocos-Keeling Islands).

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Little is known of the avifauna of Madura but it seems not to be specialized in any way. The avifauna of Bali which is rich for the size of the island and includes some montane forms is closely allied to that of East Java and much more remotely to the very distinct Austro-Oriental ornithos on the neighbouring island of Lombok. The two islands are, of course, separated by the narrow, but deep strip of water, forming part of the well-known "Wallace's Line", which can be regarded as the southern end of the zoo-geographical boundary between the Malaysian and Austro-Oriental sub-regions. Most, but not all, so-called Balinese forms are also found in East Java. One of the exceptions is a sturnine genus *Leucopsar*, peculiar to Bali. The Austro-Oriental influence is shown by the presence of *Trichoglossus*, *Lichmera* and *Ptilinopus cinctus* which reach their western limit in Bali.

A few subspecies have been described from various small islands in the Java Sea on which both Bornean and Javan species are found, but these islands are most remarkable for providing stepping stones for an infiltration to the west of Austro-Oriental forms which even reaches the Thousand Islands off the west point of Java and Billiton.

The birds of the Karimon-Java Islands show a close affinity to those of Java. A species represented in South Borneo and Java by different subspecies, if it occurs in the Karimon-Java Islands, is either represented there by the Java race, or by a race which is, according to the present state of our knowledge confined to the islands, or else found in the same, or a very slightly altered state, on other islands in the Java Sea.

Bawean has a few indigenous subspecies: its avifauna is mixed Javan and Bornean, but the former element is dominant.

The Kangean Islands with some well-marked endemic subspecies are also mostly Javan in their avifauna, but there is also a strong Austro-Oriental element.

The fauna of Christmas Island is highly specialized. The avifauna is Austro-Oriental in its present affinities which is surprising when the nearness of Java is considered. In more detail we find that of the Austro-Oriental subspecies the Christmas Island races are most like those found in the chain of islands stretching from Sumbawa to Timor Laut, and, furthermore, when, within this limited area, subspecific distinctions can be recognized in a species, the Christmas Island form is more like that found in Sumba, Savu, Timor &c., than that inhabiting Sumbawa and Flores.

The birds of Cocos-Keeling are of no great interest. They include oceanic forms, introduced species, and stragglers from Java and elsewhere. There is no indigenous, peculiar, land-bird except *Rallus philippensis andrewsi* whose sub-specific status I have been unable to check.

In the future I hope to attempt a more detailed analysis of the Malaysian avifauna.

II. ARRANGEMENT, ETC.

The Order is that of Sharpe's "Handlist" adapted in a few places in accordance with the views of some workers on various groups such as those of Dr. P. R. Lowe based on his investigations on the waders, although in this case the result is not very obvious as the present handlist deals only with formations below the rank of Family. Some other, but minor, adjustments have also been made, when I have felt convinced that they could be justified. *Muscitrea*, for instance, is transferred to the *Laniidæ* and merged in *Pachycephala*. A number of other changes recently proposed have not been accepted as they seem based on very superficial grounds and, to my mind, represent change rather than progress. Most ornithologists are aware that some genera and species are probably misplaced in the "Handlist", especially among the *Pycnonotidæ*, *Timaliidæ* and *Turdidæ* but until the anatomy of these anomalous forms has been critically and comparatively examined I can appreciate no reason for disturbing an established order. Cases in point are *Chalcoparia*, *Ægithina* and *Irena*.

The Synonymy is purely regional. I have tried to make it as complete as possible but the library in Singapore is incomplete and I have had to get many references and type-localities from Europe. The majority of the references have been checked in the original publication, but some from a secondary source, in which latter case an attempt has been made to avoid the works of mere copyists. I expect, however, that this synonymy will prove to be a weak point in my work. A number of *nomina nuda* have been excluded as they seem never to have crept into literature.

Distribution.—The localities are arranged in four rows corresponding with the Malayan, Sumatran, Bornean and Javan *Provinces* as defined above. Continental distribution is indicated in three ways. *Peninsular Siam* implies the northern part of the Malay Peninsula down to about Lat. 6° N. *Malay States* means roughly, the southern half of the Peninsula: it is the area of British influence and includes the Unfederated Malay States, the Federated Malay States and the Straits Settlements of Penang, Malacca and Singapore. *Malay Peninsula* includes both the above divisions.

Literature.—The references given in the footnotes are, naturally, not complete but basic, or suggestive, and can be added to those given by Peters. Although at times they may seem, at first glance, relatively unimportant, it will be found, usually, that they contain, or lead to, the essential literature on the group.

The Asterisk indicates that topotypes of the race have not been examined. In the great majority of cases these races have therefore been accepted. They are mostly based on islands off the west coast of Sumatra (excluding the Mentawi Islands) and Banka.

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Popular Names.—If any merit accrues from the introduction of these it devolves on Mr. N. B. KINNEAR who persuaded me, against my original inclinations, to include them here. I have met him half-way and found, or invented, English names for the species: for the subspecies, names can always be made by prefixing the geographical adjective although in a few cases names have been found for subspecies when these are very distinctive in appearance as in the case of Christmas Island forms. In general, the principle of simplicity has been followed. Some names, such as "Vieillots' Fireback" for *Lophura rufa* seem to have been established for many years. I have also tried to use names already published by ROBINSON and STUART BAKER but sometimes this has not been a reasonable course to follow. "Rosy Minivet" for *Pericrocotus roseus* is suitable for Indian representatives of the species but the Malaysian forms are grey, not pink. It has also seemed to me ungracious to drop a name originally applied as a mark of honour, or respect, and *Oriolus hosei* therefore appears here as "Hose's Oriole".

III. NOMENCLATORIAL.

In the following pages an attempt is made to abide by the "International Rules of Nomenclature". One of the chief unsettled difficulties is the vexed question of how far one should preserve the original spelling of names when these are obviously, from the purist's point of view, incorrect. The excellent recommendation of the rules that the original orthography should be faithfully preserved, except in the case of printer's errors, *lapsus calami*, and errors of transcription, has, unfortunately, been negated by the broad interpretation given to these exceptions in the "opinions" following the rules. The modern practice of regarding a nomen nudum as unusable if it was, subsequent to its original publication placed as a synonym by a revisor, seems unreasonable, and it is surely better to establish these floating names under the name of the author who first associated them with a valid description.

In this handlist I have continued to use several old established names although some recent authors have regarded these as indeterminate. I suggest that these authors should be required to indicate in what way the names are inapplicable rather than the reverse. A large percentage of the older descriptions are so generalized that they are, *prima facie*, indeterminate. In the case of *Platsymurus* recently rejected, I contend that the figures on which the name is based are not only recognizable, but excellent likenesses.

An outstanding difference among systematists concerns the status of new names, introduced inadvertently, as a result of a mistaken identification. *Alcippe cinerea* Blyth, and *Cyornis unicolor infuscata* Hartert, are both new combinations, with good descriptions, applied in this manner, but the first in the mistaken notion that it was *Malacopteron cinereus* Eyton, and the second, *Muscicapa infuscata* Blyth.

IV. SYSTEMATIC.

There can be few more difficult areas for a systematist to deal with than Malaysia. With its four large land-masses, its high mountains, compact archipelagos, abundant coastal islands, and numerous oceanic islands, the division of species widely spread in the sub-region often calls for a nicety of judgment in which the personal element must, in the present state of ornithological practice, play a large part. Throughout the subregion, as elsewhere, the smaller islands show a relatively greater tendency to produce subspecies than do the large land masses. On the former the "biological discipline" seems less severe and variation is perpetuated: on the latter it is absorbed. In many cases the subspecies are well-defined the differences being qualitative rather than quantitative in character and in some instances the Javan and Bornean representatives of species also occurring on the Continent are so well marked that only those workers, who like myself take a very broad view of a "species", would attempt to link them in a trinominal nomenclature.

The Anamba Islands in the South China Sea present the reverse state of affairs. They are inhabited by continental, lowland species, but the insular forms usually diverge in the direction of slightly larger average size. On paper the distinctions seem insignificant, in birds the size of a bulbul sometimes only amounting to two or three millimetres on the mean, but to ignore such distinctions based on good series is to ignore one of the most important phenomena presented by the island avifauna.

An even more delicate development of this situation is presented by some species in which a tendency to modification in the same direction is expressed, whenever a group is isolated, over a large geographic range. *Aplonis* is a case in point. On all the small islands of the South China Sea and its ramifications the glossy starling varies in the direction of large size and a more robust bill. The first name applied to these insular birds was based on specimens from the Anamba Islands, but as the same subspecific characters are found in varying degrees on all small islands south to the coast of Sarawak and then along the east coast of Borneo the result is a race ill-defined in range and characters. An interesting phenomenon bearing on the origin of subspecies may here be noticed. In Malaysia, where a section of a species is segregated it not infrequently throws up an individual in which a subspecies seems to be adumbrated. Thus among sunbirds and flowerpeckers living on coastal islands occasional individuals have relatively large bills, a character on which subspecies in these groups are often based; certain species in the Tioman and Rhio Archipelagos produce large individuals which are approaching, or are inseparable from, large races of the species found in the remoter Anamba and Natuna Islands; and the large fruit-pigeon *Ducula aenea*, of which, in spite of large series, I cannot separate a Bornean subspecies, does occasionally show a very blue tail in that island.

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In these species it would seem that isolation and the correlated unchecked variation is a more important factor in the evolution of new forms than adaptation to a peculiar environment.

In this list a very broad view of a "species" is taken and there is an extensive linking of geographical races and representatives in the German fashion as I feel that in this way the specific names can usefully be given a secondary function to express relationship. Many of the combinations adopted are novel. For instance, the monotypic Bornean genus *Allocotops* is reduced to the rank of a subspecies of *Melanocichla lugubris* and the rather distinct *Rhipidura phoenicura* of Java becomes *R. perlata phoenicura*. In the opposite direction species are split down to the lowest possible limit and many of the subspecies accepted are based on very fine distinctions. In the matter of genera I have been very conservative and have "lumped" extensively, for I cannot yet appreciate, among birds, any natural generic criterion and have therefore employed the genus merely as a chapter-heading. Perhaps the views of the advocates of the small genus, even though the implication is the creation of a large number of monotypic genera, are more logical for, on a superficial survey, there does seem a point below which some groups of species seem indivisible e.g. the more typical *Zosterops*, but consideration of this seems best left to workers with cosmopolitan collections at their disposal.

The day is probably not far distant when the systematist will extend the present system of trinominal nomenclature to embrace, for want of a better term, antediluvian representatives, or in other words to recognize among existing species, subspecies in time as well as in space. That such is the relationship between numerous groups of closely allied forms now found distributed over the same territory seems very probable. *Anthreptes malacensis* and *A. rhodolaema*; and *Aegithina tiphia* and *A. viridissima* are two such pairs. In each, the first named species is commoner than the second, more wide spread in Malaysia, has developed more subspecies, and is more adaptable in the matter of terrain being found commonly in cultivated areas. It shows, in fact, all the manifestations one would expect an older stock to show in relation to a later wave of immigrants. Physiological intolerance must here play a part. A system of nomenclature exemplified by *Anthreptes malacensis* [*rhodolaema*] now suggests itself, but at this point I hasten to add that the system has not been adopted in this list.

* * * * *

If in the following pages it is found that some names and views do not agree with those in papers previously published it must be remembered that opinions often alter as new material accumulates. Our former method of work was to write reports on general collections from specified localities. Although such papers are, primarily, of interest to the zoo-geographer and the faunist the method has its disadvantage from the systematist's point of view for there is always

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a danger that the identifications in such a paper are less precise than in "revisions" when the whole of the available material of one species, or group, is reviewed at one time. Having dealt with a common sunbird in a dozen papers in several years there is a chance of hasty, or perfunctory examination when the species again turns up in a small collection from an island, the avifauna of which it is desirable to list.

I have, therefore, on the present occasion, surveyed anew all the material in Singapore; studied in detail much of the relevant material in the museums of London, Tring, Buitenzorg and Kuching; and examined a number of the more critical forms in hasty visits to the museums of Amsterdam, Leyden and Berlin. In the Raffles Museum, Singapore, there are now housed collections which, taken together, are probably the most representative of Malaysia in existence. Unfortunately, I have not been able to visit the United States National Museum wherein are extensive Malaysian collections.

In a number of cases, subspecies based on alleged colour distinctions have not been accepted. Some of this difference of opinion depends no doubt on the observer's eye; some of it on lack of agreement as to the criterion of separation for, it seems clear that some authors separate races when the *extremes of series differ*, but I suspect that most of it is due to lack of understanding of post-mortem changes in colour. Very little seems to be known of this subject, but I am convinced that skins kept in museums in the tropics even in the shelter of protected cabinets usually fade sooner than do those in museums in England.

The rapidly fugitive colours of *Cissa* and the more slowly fading pigments of *Harpactes* are well-known, but almost as astonishing in their colour change are skins of some of the more brightly coloured timaliids such as *Mesia* and *Siva*. Less well-known are the receding reds of *Aethopyga* and the rapidity with which some small, dull-coloured timaliids and pycnonotids change colour after death. In these the olive element in the plumage soon disappears, the greyness fades away, the browns come up, deepen in colour, ("burn") and then a general "snuffiness" pervades the skin. In a recent test case I found that some skins of *Stachyris maculatus* lost their freshness in a few months and altered considerably in three years. On the other hand, in 1930, I found that some skins of various species well-known to fade, collected by Whitehead in 1888, were practically identical in tone with others taken personally in 1929. Little seems to be known about even the superficial causes of these post-mortem changes. Ignoring such drastic treatment as total immersion in spirit prior to skinning, I have noted that in some cases, tow and grass used as stuffing material have altered the colour of mammal skins. Drying over a wood fire will also produce queer results at times and relaxing and remaking not infrequently darkens a skin. Perhaps some post-mortem changes are due to physiological causes such as the age of the feather when the bird is collected.

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V. ACKNOWLEDGEMENTS.

I cannot conclude this introduction without acknowledging the great help I have received, over a period of years, from numerous ornithologists. First, and foremost, is Mr. NORMAN KINNEAR of the British Museum of Natural History, whose patience seems inexhaustible. Over a long period he has answered, promptly, many requests for the checking of references and type localities.

In Europe my best thanks are also due to Lord ROTHSCHILD who allowed me to work at Tring; Dr. ERWIN STRESEMANN of Berlin, who is always ready to examine critically a palæarctic migrant for me; and Mr. G. C. H. JUNGE who has answered numerous queries about specimens in the Leyden Museum. In the East, Mr. E. BANKS, the Curator of the Sarawak Museum, has always placed his collections at my disposal in a most generous manner and by doing so has added materially to our knowledge of the Bornean fauna. Time and time again, without reserve, he has sent to me the results of his numerous collecting expeditions in Borneo. Dr. K. W. DAMMERMAN of the Zoological Museum at Buitenzorg, Java, has also kindly placed valuable collections at my disposal. Messrs. E. MAYR, C. B. TICEHURST and J. H. RILEY are other valued correspondents.

Lastly, I am pleased to acknowledge the heavy debt I owe to my former chief, Mr. C. BODEN KLOSS. We originally planned to produce this list in collaboration, and in its early days used to discuss difficulties as they arose.

F. N. CHASEN.

SINGAPORE, *December*, 1935.

A HANDLIST OF MALAYSIAN BIRDS.

Family MEGAPODIIDÆ.

Genus **MEGAPODIUS** Gaimard.¹

Megapodius reinwardt Dumont.

Megapode.

Megapodius reinwardt reinwardt Dumont.

Megapodius Reinwardt Dumont, Dict. Sci. Nat. (Levrault), xix, 1823, p. 416: Amboyna error=Lombok.

Distr.—Kangean Islands (Kangean and Sepanjang); Java Sea Islands of Solombo Besar, Arends and (?) Mata Siri.

Megapodius reinwardt cumingii Dillwyn.

Megapodius Cumingii Dillwyn, Proc. Zool. Soc. 1851, p. 118, pl. 39: Labuan.

Megapodius lowii Sharpe, Proc. Zool. Soc. 1875, p. 111: Labuan.

**Megapodius cumingii tolutilis* Bangs and Peters, Occ. Pap. Boston Soc. Nat. Hist. v, 1927, p. 235: Maratua Island, East Borneo.

Distr.—Bornean Islands of Labuan and its islets; Tiga, Mangalum, Mantanani, Balambangan, Banguay, Mallewallé and ? Maratua.

Family PHASIANIDÆ.

Genus **RHIZOTHERA** Gray.

Rhizothera longirostris (Temm.).

Long-billed Partridge.

Rhizothera longirostris longirostris (Temm.).

Perdix longirostris Temminck, Cat. Syst. Orn. 1807, p. 158: North Sumatra.

Tetrao curvirostris Raffles, Trans. Linn. Soc. xiii, 1822, p. 323: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo (lowlands).

¹ There is justification for a wider linking of the forms of *Megapodius* than has hitherto been practised. We do not believe in the occurrence (unaided) of the genus on any of the large land masses in Malaysia, but megapodes will undoubtedly be discovered on other small islands in the sub-region.

Rhizothera longirostris dulitensis O.-Grant.

Rhizothera dulitensis Ogilvie-Grant, Bull. Brit. Orn. Cl. iv, 1895,
p. 27: Mount Dulit, North Sarawak.

Distr.—Borneo (Mt. Dulit).

Genus **ARBOROPHILA** Hodgson.*

Arborophila brunneopectus (Blyth). Brown-breasted Tree-Partridge.

[Arborophila brunneopectus brunneopectus (Blyth).

Arboricola brunneopectus "Tickell," Blyth, Journ. Asiat. Soc.
Bengal, xxiv, 1855, p. 276: Tenasserim.

Distr.—Extra-limital.]

Arborophila brunneopectus campbelli (Rob.).

Arboricola campbelli Robinson, Bull. Brit. Orn. Cl. xv, 1904, p. 28:
Telom, Perak-Pahang boundary, Malay States.

Distr.—Malay States.

Arborophila brunneopectus rolli (Rothsch.).

Arboricola rolli Rothschild, Bull. Brit. Orn. Cl. xxv, 1909, p. 7:
Battak Mts., North-east Sumatra.

Distr.—Sumatra (North).

Arborophila brunneopectus sumatrana O.-Grant.

Arborophila sumatrana Ogilvie-Grant, Ann. Mag. Nat. Hist. (6) viii,
1891, p. 297: Kaba Mt., South-west Sumatra.

Distr.—Sumatra (Central and West).

Arborophila brunneopectus javanica (Gmel.).

Tetrao javanica Gmelin, Syst. Nat. i, pt. 2, 1789, p. 761: West
Java.

Distr.—Java (West).

Arborophila brunneopectus bartelsi Siebers.

Arborophila javanica bartelsi Siebers, Treubia, xi, 1929, p. 149:
Mt. Cherimai, Central Java.

Distr.—Java (Central).

* The affinities of some of the *Arborophila* forms of South-eastern Asia are difficult to discover as the genus shows an unusually strong tendency to produce well-marked geographical representatives. Robinson (Birds Mal. Pen. ii, 1928, p. 8) has stated that the nearest ally of *campbelli* is *atroglularis*, but we think that the former is the Malayan representative of *brunneopectus*. *A. rolli*, *javanica*, and *hyperythra* are other Sunda Island forms of the same "species": *Javanica* although very distinct in colour is linked to *brunneopectus* by some richly coloured examples of *campbelli*. The presence of two very distinct sub-species in Java is awkward, but *orientalis* is only found in the east of the island. *A. rubrirostris* seems nearest to *A. davidi* of Cochin China.

Arborophila brunneopectus orientalis (Horsf.).

Perdix orientalis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 184 :
Blambangan, East Java.

Perdix personata Horsf., Zool. Res. part viii, 1824, pl. and letter press :
East Java.

Distr.—Java (East).

Arborophila brunneopectus hyperythra (Sharpe).

Bambusicola hyperythra Sharpe, Ibis, 1879, p. 266 : Lawas Mts.,
North-west Borneo.

Distr.—Borneo.

Arborophila brunneopectus erythrophrys (Sharpe).¹

Bambusicola erythrophrys Sharpe, Ibis, 1890, p. 139, pl. 4 : Mount
Kinabalu, North Borneo.

Distr.—Borneo (North).

Arborophila rubrirostris (Salvad.). Red-billed Hill-Partridge.

Peloperdix rubrirostris Salvadori, Ann. Mus. Civ. Gen. xiv, 1879,
p. 251 : Mt. Singalan, Padang, West-central Sumatra.

Distr.—Sumatra.

Arborophila charltonii (Eyton). Chestnut-breasted Tree-Partridge.**Arborophila charltonii charltonii** (Eyton).²

Perdix Charltonii Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 230 :
Territory of Malacca.

Distr.—Malay Peninsula.
Sumatra.

Arborophila charltoni graydoni (Sharpe and Chubb).

Arboricola graydoni Sharpe and Chubb, Ornith. xiii, 1906, p. 133 :
Lamag, North Borneo.

Distr.—Borneo (North).

Genus **CALOPERDIX** Blyth.**Caloperdix oculea** (Temm.). Ferruginous Wood-Partridge.**Caloperdix oculea oculea** (Temm.).

Perdix oculea Temminck, Fig. et Gall. iii, 1815, pp. 408, 732 :
India, error=central parts of Malay Peninsula (*Rob and Kloss*,
1921).

Distr.—Malay Peninsula.

¹ *A. erythrophrys* and *A. hyperythra* are distinct forms.

² The presence of this bird in Sumatra needs confirmation.

Caloperdix ocella ocellata (Raffles).

Tetrao ocellatus Raffles, Tran. Linn. Soc. xiii, 1822, p. 322 :
Bencoolen, West Sumatra.

Caloperdix sumatrana Ogilvie-Grant, Bull. Brit. Orn. Cl. ii, 1892,
p. 5 : Padang, West Sumatra.

Distr.—Sumatra.

Caloperdix ocella borneensis O.-Grant.

Caloperdix borneensis Ogilvie-Grant, Bull. Brit. Orn. Cl. ii, 1892,
p. 5 : Mt. Dulit, North Sarawak.

Distr.—Borneo.

Genus **ROLLULUS** Bonnaterræ.

Rollulus roulroul (Scop.).

Crested Wood-Quail.

Phasianus roulroul Scopoli, Del. Flor. et Faun. Insubr. ii, 1786,
p. 93 : Malacca.

Columba cristata Gmel., Syst. Nat. i, pt. 2, 1788, p. 774 : Malacca.

Phasianus cristatus Sparrm., Mus. Carls., fasc 3, 1788, pl. 64 : Celebes
error=Borneo.

Tetrao viridis Gmel., Syst. Nat. i, pt. 2, 1789, p. 761 : Sumatra (*Raffles*,
1822).

Tetrao porphyrio Shaw and Nodd., Nat. Misc. iii, 1791, pl. 84 : Malacca.

Perdix coronata Lath., Suppl. Index Orn. 1801, p. 62. Malacca.

Distr.—Malay Peninsula.

Sumatra; Banka and Billiton.

Borneo.

Genus **MELANOPERDIX** Jerdon.

Melanoperdix nigra (Vig.).

Black Wood-Partridge.

Melanoperdix nigra nigra (Vig.).

Cryptonyx niger Vigors, Zool. Journ. iv, 1829, p. 349 : Bencoolen,
West Sumatra (*Rob. and Kloss* 1923).

Cryptonyx ferrugineus Vig., Zool. Journ. iv, 1829, p. 349 : Bencoolen
(female descr.).

Cryptonyx dussumieri Less., Bélang. Voy. Ind. 1834, p. 275, Oiseaux,
pl. 7 : Malacca.

Perdix aruginosus Eyton, Proc. Zool. Soc. 1839, p. 106 : Malacca (female
descr.).

Distr.—Malay States.

Sumatra.

Melanoperdix nigra borneensis Rothschild.

Melanoperdix nigra borneensis Rothschild, Bull. Brit. Orn.
Cl. xxxviii, 1917, p. 3; Balingean, Sarawak.

Distr.—Borneo.

Genus **HÆMATORTYX** Sharpe.**Hæmatortyx sanguiniceps** Sharpe. Crimson-headed Wood-Partridge.*Hæmatortyx sanguiniceps* Sharpe, Ibis, 1879, p. 266: Lawas Mts., North-west Borneo.*Distr.*—Borneo.Genus **EXCALFACTORIA** Bonaparte.**Excalfactoria chinensis** (Linn.).¹ Blue-breasted Button-Quail.**Excalfactoria chinensis chinensis** (Linn.).*Tetrao chinensis* Linn., Syst. Nat. 12th. ed. i, 1766, p. 277: China.*Distr.*—Malay Peninsula.

Sumatra (? North and East).

Excalfactoria chinensis palmeri Riley.*Excalfactoria chinensis palmeri* Riley, Proc. Biol. Soc. Wash. xxxii, 1919, p. 93: Daru, Java.*Distr.*—Sumatra (?South and West); Billiton; ? Banka.

Java; North Watcher Island, Thousand Islands and Java Sea.

Excalfactoria chinensis lineata (Scop.).*Oriolus lineatus* Scopoli, Del. Flor. et Faun. Insubr. pt. 2, 1786, p. 87: Luzon, Philippine Islands.*Excalfactoria chinensis cærulescens* Hachisuka, Bull. Br*. Orn. Cl. xlvii, 1926, p. 69: Sarawak, Borneo.*Distr.*—Borneo.Genus **HOUPPIFER** Guérin-Ménéville.**Houppifer erythrophthalmus** (Raffles). Fire-back Pheasant.**Houppifer erythrophthalmus erythrophthalmus** (Raffles).*Phasianus erythrophthalmus* Raffles, Trans. Linn. Soc. xiii, 1822, p. 321: Bencoolen, West Sumatra.*Houppifer diardii* Guér.-Mén., Icon. Règ. Anim., Ois. 1828-38, p. 26, pl. 43, fig. 2: Java error=Sumatra.*Phasianus purpureus* Gray, Ill. Ind. Zool. i, 1830-32, pl. 42: Penang.*Distr.*—Malay States.

Sumatra.

¹ This division of the Malaysian *Excalfactoria* cannot be regarded as final and large series, especially of females, from Sumatra, South Borneo and Java are needed to define the racial boundaries: it is doubtful if such series exist. The North Bornean and Sarawak bird is not separable from topo-typical *lineata*, but the Javan race, *palmeri*, seems distinct. Birds from the south of Borneo are, perhaps, *palmeri*. There are, at least, two races in Sumatra, and in some respects birds from the north of the island are approaching *trinkutensis*, described from the Nicobars. The racial distinctions seen in the Sunda Islands are remarkable as it seems quite impossible to split continental *chinensis* in spite of its wide range, although birds from Hainan look rather different in series.

Houppifer erythrophthalmus pyronotus (Gray).

Alectrophasis pyronotus G. R. Gray, List of Birds, 1841, p. 78 :
Borneo.

Alectrophasis personatus Temm. MS., Bp., Compt. Rend. xlii, 1856,
p. 879 : Borneo.

Distr.—Borneo.

Houppifer inornatus (Salvad.).

Salvadori's Pheasant.

Acomus inornatus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 250 :
Padang, West Sumatra.

Distr.—Sumatra.

Genus **LOPHURA** Fleming.**Lophura ignita** Shaw and Nodd.

Bornean Fire-back Pheasant.

Lophura ignita ignita (Shaw and Nodd.).

Phasianus ignitus Shaw and Nodder, Nat. Misc. ix, text to pl. 321,
1797 : Borneo.

Gallus macartneyi Temm., Fig. et Gall. ii, 1813, p. 273 : Sumatra error
= Borneo.

Euplocamus nobilis Sclat., Proc. Zool. Soc. 1863, p. 118, pl. xvi : Borneo.

Distr.—Banka.

Borneo.

Lophura ignita sumatrana (Dubois).¹

Euplocamus sumatranus Dubois, Bull. Ac. Belg. ii, 47, 1879, p. 825 :
Palembang, Sumatra (male).

*? *Lophura sumatrana delacouri* Ghigi, Oiseau vii, 1926, p. 51, col. pl. :
Sumatra.

Distr.—Sumatra. (South).

Lophura rufa (Raffles).

Vieillots' Fire-back Pheasant.

Phasianus rufus Raffles, Trans. Linn. Soc. xiii, 1822, p. 321 :
Bencoolen, Sumatra (female).

Phasianus ignitus Raffles (nec. Shaw and Nodd.), Trans. Linn. Soc.
xiii, 1822, p. 320 : Sumatra (male).

Phasianus castaneus Gray in Griff. ed. Cuv. iii, 1829, p. 28 : Penang
(female).²

Euplocamus vieilloti Gray, List Gen. Birds, 1841, p. 77 : Malacca.

*? *Lophura sumatrana albipennis* Ghigi, Oiseau, vii, 1926, p. 51 : Sumatra.

Distr.—Malay Peninsula.

Sumatra (North and Central).

¹ This remains an unsatisfactory race and most of our information is based on menagerie birds, the provenance of which is always doubtful. Considering the evidence as a whole it does seem likely that there is, in South Sumatra, a pheasant in which the female is very bright rufous, and the male more like *L. ignita* than *L. rufa*. But see Kloss, Treubia, xiii, 1931, p. 304.

² From the locality, probably an imported bird.

Genus **LOBIOPHYSIS** Sharpe.**Lobiophasis bulweri** Sharpe. Bulwer's Pheasant.*Lobiophasis Bulweri* Sharpe, Ann. Mag. Nat. Hist. (4) xiv, 1874, p. 373 : Lawas Mts., Sarawak, Borneo.*Lobiophasis castaneicaudatus* Sharpe, Proc. Zool. Soc. 1877, p. 94 : Lawas River, Sarawak, Borneo.*Distr.*—Borneo.Genus **GALLUS** Brisson.**Gallus gallus** (Linn.). Red Jungle-Fowl.**Gallus gallus gallus** (Linn.).*Phasianus gallus* Linn., Syst. Nat. 10th ed. 1758, p. 158 : Pulau Condore, off the mouth of the Mekong, Cochin China.*Coturnix spadicea* Bonnaterre, Tabl. Encycl. Méth. i, 1791, p. 218 : Malacca (*Kloss, 1931*).*Distr.*—Malay Peninsula.
Sumatra (North only).**Gallus gallus bankiva** Temm.*Gallus Bankiva* Temminck, Fig. et Gall. ii, 1813, p. 87 : Java.*Gallus gallus robinsoni* Rothschild, Nov. Zool. xxxiii, 1926, p. 206 : Sumatra.*Distr.*—Sumatra (South).
Java; Bali.**Gallus varius** (Shaw and Nodd.). Green Jungle-Fowl.*Phasianus varius* Shaw and Nodder, Nat. Misc. x, 1798, pl. 353 : Java.*Gallus furcatus* Temm., Cat. Syst. Cab. d'Ornith. etc. 1807, p. 146 : Malay Arch. = Java (*Mathews 1932*).*Gallus Javanicus* Horsf., Trans. Linn. Soc. xiii, 1821, p. 185 : East Java.*Distr.*—Java; Bali; Kangean Island; Bawean Island.Genus **POLYPLECTRON** Temminck.**Polyplectron bicalcaratum** (Linn.). Peacock-Pheasant.**[Polyplectron bicalcaratum bicalcaratum** (Linn.).*Pavo bicalcaratus* Linn., Syst. Nat. 10th ed. 1758, p. 156 : China
error = Thoungyah, Burma (*Lowe, 1925*).*Distr.*—Extra-limital.]

Polyplectron bicalcaratum malacensis (Scop.).

Phasianus malacensis Scopoli, Del. Flor. et Faun. Insubr. ii, 1786,
p. 93 : Territory of Malacca.

Polyplectron hardwickii J. E. Gray, Ill. Ind. Zool. i, 1831, pl. 37 :
"India" error = Malacca.

Polyplectron lineatum J. E. Gray, Ill. Ind. Zool. i, 1831, pl. 38 :
Malacca.

Distr.—Malay Peninsula.
Sumatra.

Polyplectron schleiermacheri Brügg. Bornean Peacock-Pheasant.

Polyplectron Schleiermacheri Brüggemann, Zool. Gart. 1877, p. 213 :
Muara Teweh, South-east Borneo.

Distr.—Borneo.

Polyplectron inopinatus (Rothsch.). Rothschild's Peacock-Pheasant.

Chalcurus inopinatus Rothschild, Bull. Brit. Orn. Cl. xiii, 1903,
p. 41 : Ulu Pahang, Malay Peninsula.

Distr.—Malay States.

Polyplectron chalcurem Temm. Sumatran Peacock-Pheasant.

Polyplectrum chalcurem Temminck, in Cuv. Règn. An. i, 1829,
p. 474 : Sumatra.

Polyplectrum inocellatus Less., Traité d'Orn. 1831, p. 487 : Sumatra.

Distr.—Sumatra.

Genus **ARGUSIANUS** Gray.

Argusianus argus (Linn.).

Argus Pheasant.

Argusianus argus argus (Linn.).

Phasianus argus Linn., Syst. Nat. 12th ed. i, 1766, p. 272 : Chinese
Tartary error = Malacca.

Argus giganteus Temm., Pig. et Gall. ii, 1813, p. 410 : Malacca.

Argus pavoninus Vieill., N. Dict. d'Hist. Nat. ii, 1816, p. 507 (new name).

Argus pavoninus Vieill., Gal. des Ois. ii, 1825, p. 19, pl. 204 (new name).

Argus paeoninus J. E. Gray, Ill. Ind. Zool. i, 1831, pl. 36 : China error
= Malacca.

Distr.—Malay Peninsula.
Sumatra.

Argusianus argus grayi (Elliot).

Argus grayi Elliot, Ibis, 1865, p. 423 : Borneo.

Distr.—Borneo.

Genus **'RHEINARTIA** Maingonnat.

Rheinartia ocellata (Elliot). Ocellated Pheasant.

[**Rheinartia ocellata ocellata** (Elliot).

Argus ocellatus Elliot, Ann. Mag. Nat. Hist. viii, 1871, p. 119:
Central Annam.

Distr.—Extra-limital.]

Rheinartia ocellata nigrescens Rothsch.

Rheinardius ocellatus nigrescens Rothschild, Bull. Brit. Orn. Cl. xii,
1902, p. 55: Ulu Pahang, Malay Peninsula.

Distr.—Malay States.

Genus **PAVO** Linn.

Pavo muticus Linn. Peafowl.

Pavo muticus Linn., Syst. Nat. 12th ed. i, 1766, p. 268: Japan.
error=Java.

Pavo javanicus Horsf., Trans. Linn. Soc. xiii, 1821, p. 185: Java.

Distr.—Malay Peninsula.
Java.

Family **TURNICIDÆ**.

Genus **TURNIX** Bonnaterre.

Turnix suscitator (Gmel.).² Bustard-Quail.

Turnix suscitator suscitator (Gmel.).

Tetrao suscitator Gmelin, Syst. Nat. i, pt. 2, 1789, p. 763: Java.

Turnix javanica Rafin., Analyse, 1815: Java.

Hemipodius pugnax Temm., Fig. et Gall. iii, 1815, pp. 612, 754: Java.

Distr.—Sumatra (at least north to Medan and Deli); Rhio Archipelago; Banka; Billiton.
Java; Bali.

Turnix suscitator atrogularis (Eyton).

Hemipodius atrogularis Eyton, Proc. Zool. Soc. 1839, p. 107:
Malacca.

Distr.—Malay States.

? Sumatra (extreme North).

¹ *Rheinardia* and Maingounat are misprints. The genus is named after Comm. Rheinart.

² Revisions: Stresemann, Mitt. Zool. Mus. Berl. xv, 1930, p. 644; and Rob. and Baker, Bull. Brit. Orn. Cl. xlviii, 1928, p. 58.

Turnix suscitator interruptens Rob. and Baker.

Turnix suscitator interruptens Robinson and Baker, Bull. Brit. Orn. Cl. xlviii, 1928, p. 60: Kossoom, Peninsular Siam.

Distr.—Peninsular Siam.

Turnix sylvatica (Desf.).

Little Bustard-Quail.

[*Turnix sylvatica sylvatica* (Desf.).

Tetrao sylvaticus Desfontaines, Mém. Ac. Roy. Soc. Paris, 1787, p. 500, pl. 13: near Algiers.

Distr.—Extra-limital.]

***Turnix sylvatica bartelsorum** Neum.

Bartel's Bustard-Quail.

Turnix sylvatica bartelsorum Neumann, Orn. Mon. 1929, p. 117: Cheribon, Java.

Distr.—Java.

Turnix tanki Blyth.

Indian Bustard-Quail.

[*Turnix tanki tanki* Blyth.

Turnix tanki Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 180: Bengal.

Distr.—Extra-limital.]

Turnix tanki blanfordi Blyth.

Turnix blanfordi Blyth, Journ. Asiat. Soc. Bengal, xxxii, 1863, p. 80: Pegu, Lower Burma.

Distr.—Peninsular Siam.

Family COLUMBIDÆ.¹

Genus **SPHENURUS** Swainson.

Sphenurus seimundi (Rob.).

Seimund's Pintail Pigeon.

Sphenurus seimundi seimundi (Rob.).

Sphenocercus seimundi Robinson, Bull. Brit. Orn. Cl. xxv, 1910, p. 98: Semangko Pass, Selangor—Pahang boundary, Malay Peninsula.

Distr.—Malay States.

Sphenurus oxyurus (Reinw.).²

Pintail Pigeon.

Columba oxyura Reinwardt in Temminck, Pl. Col. 240, 1823: Java.

Sphenurus semitorquatus Swains., Class. Birds, ii, 1837, p. 348: nom. nov.

Distr.—Sumatra.

Java (West).

¹ *Oenopopelia tranquebarica humilus* (Temm.) is found in the Malay Peninsula but we doubt if it is indigenous.

² Has also been recorded from Borneo but we doubt its occurrence in that island.

Sphenurus sphenurus (Gould). Wedge-tailed Pigeon.

[**Sphenurus sphenurus sphenurus** (Gould).]

Vinago sphenura Gould, Birds hitherto unfigured, from the Himalaya Mts. 1831, pl. 40: Himalayas.

Distr.—Extra-limital.]

Sphenurus sphenurus korthalsi (Bp.).

Sphenocercus korthalsi Bonaparte, Cons. Gen. Av. ii, 1854, p. 9: Mt. Gede, West Java.

Sphenocercus etorques Salvad., Ann. Mus. Civ. Gen. xiv, 1879, p. 244: Sumatra.

Distr.—Sumatra.

Java.

Sphenurus sphenurus robinsoni (O.-Grant).¹

Sphenocercus robinsoni Ogilvie-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 12: Gunong Tahan, Pahang, Malay Peninsula.

Distr.—Malay States.

Genus **BUTRERON** Bonaparte.

Butreron capellei (Temm.). Larger Thick-billed Green Pigeon.

Butreron capellei capellei (Temm.).

Columba capellei Temminck, Pl. Col. 143, 1823: Java.

Distr.—Java (West).

Lampongs, South Sumatra.

Butreron capellei magnirostris (Strick.).

Treron magnirostris Strickland, Ann. Mag. Nat. Hist. 1844, p. 116, footnote: Malay Peninsula.

Butreron capellei messopora Oberh., Journ. Acad. Sci. Wash. xiv, 1924, p. 299: Klumpang Bay, South-east Borneo.

Butreron capellei panochra Oberh., Journ. Acad. Sci. Wash. xiv, 1924, p. 300: Besitan River, East Sumatra.

Distr.—Malay Peninsula.

Sumatra (? except South).

Borneo.

***Butreron capellei passorhina** Oberh.

Butreron capellei passorhina Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 192: Mata Siri Island, Java Sea.

Distr.—Mata Siri Island, Java Sea.

¹ A doubtful race: additional material from the Malay Peninsula is required before *robinsoni* can be finally accepted.

Genus **TRERON** Vieillot.

Treron curvirostra (Gmel.). Smaller Thick-billed Green Pigeon.

Treron curvirostra curvirostra (Gmel.).

Columba curvirostra Gmelin, Syst. Nat. i, pt. 2, 1789, p. 777, n. 45 :
Tanna error = Selangor, Malay Peninsula (*Rob. and Kloss, 1921*).

Treron nasica Schleg., Nederl. Tijd. Dierk. j, 1863, p. 67 : Banjermasin,
South Borneo.

Distr.—South Peninsular Siam, Malay States.

Sumatra (part); Rhio Archipelago; Banka; Billiton.
Borneo; North Natuna Islands.

Treron curvirostra nipalensis (Hodgs.).

Toria nipalensis Hodgson, Asiat. Res. xix, 1836, p. 164, pl. 9 :
Nepal.

Distr.—Peninsular Siam (except extreme South); Langkawi and
Butang Islands off west coast; islands of the Bandon Bight off the
east coast of the Malay Peninsula.

Treron curvirostra harterti Parrot.

Treron nipalensis harterti Parrot, Abh. Kon. Bay. Akad. Wiss. xxiv,
1907, p. 261 : Deli, North-east Sumatra.

Distr.—Sumatra (North-east).

***Treron curvirostra haliploa** Oberh.

Treron curvirostra haliploa Oberholser, Smith. Misc. Coll. ix, 7,
1912, p. 4 : Sibabo Bay, Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Treron curvirostra pega** Oberh.

Treron curvirostra pega Oberholser, Smith. Misc. Coll. ix, 7, 1912,
p. 4 : Siaba Bay, Nias Island.

Distr.—Nias Island, West Sumatra.

Treron curvirostra smicra Oberh.

Treron curvirostra smicra Oberholser, Smiths. Misc. Coll. ix, 7,
1912, p. 3 : Tana Bala Island, Batu Islands.

Distr.—Batu Islands; Mentawi Islands (Siberut and Sipora), West
Sumatra.

***Treron curvirostra hypothapsina** Oberh.

Treron curvirostra hypothapsina Oberholser, Smith. Misc. Coll. ix,
7, 1912, p. 3 : Engano Island.

Distr.—Engano Island, West Sumatra.
Kelapa Island, West Java.¹

¹ Racial identity not certain.

Treron curvirostra erimaca Oberh.

Treron curvirostra erimaca Oberholser, Journ. Wash. Acad. Sci. xiv, 1924, p. 297: Balabac Island, Philippine Islands.

Distr.—North Bornean Islands (Banguey and Balambangan).

Treron pompadora (Gmel.).

Pompadour Green Pigeon.

[Treron pompadora pompadora (Gmel.).

Columba pompadora Gmelin, Syst. Nat. i, pt. 2, 1789, p. 775: Ceylon.

Distr.—Extra-limital.]

Treron pompadora pulverulenta Wall.

Treron pulverulenta Wallace, Ibis, 1863, p. 319: East Java.

Distr.—Sumatra (South).
Java.

Treron pompadora vordermani Finsch.

Treron Vordermani Finsch, Notes Leyden Mus. xxii, 1900, p. 162: Kangean Islands.

Distr.—Kangean Islands.

Treron fulvicollis (Wagl.).

Cinnamon-headed Green Pigeon.

Treron fulvicollis fulvicollis (Wagl.).

Columba fulvicollis Wagler, Syst. Av. Columba, sp. 8, 1827: Java, error=Sumatra.

Columba ferruginea Wagl. (nec Forst.), Isis, 1829, p. 738: Java error=Sumatra.

Columba cinnamomea Temm., Pl. Col. Livr. 93, text, 1835: Pontianak, South Borneo.

Treron tenuirostre Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 230: Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo (except North).

Treron fulvicollis oberholseri Chas.

Treron fulvicollis oberholseri Chasen, Bull. Raffles Mus. 9, 1934, p. 92: Bunguran, North Natuna Islands.

Distr.—North Natuna Islands.

***Treron fulvicollis melopogenys** (Oberh.).

Dendrophassa fulvicollis melopogenys Oberholser, Smiths. Misc. Coll. ix, 7, 1912, p. 3: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Treron fulvicollis baramensis Meyer.

Treron fulvicollis baramensis Meyer, Journ. f. Orn. 1891, p. 73 :
Baram, North-west Borneo.

Distr.—Borneo (North Sarawak and British North Borneo); North
Bornean Islands.

Treron bicincta (Jerd.). Orange-breasted Green Pigeon.

[*Treron bicincta bicincta* (Jerd.).

Vinago bicincta Jerdon, Madras Journ. Lit. Sci. xii, 1840, p. 13 :
Madras.

Distr.—Extra-limital.]

Treron bicincta praetermissa Rob. and Kloss.

Treron bisincta praetermissa Robinson and Kloss, Journ. Fed. Malay
States Mus. x, 1921, p. 203 : Koh Lak, South-west Siam.

Distr.—Malay Peninsula.

Treron bicincta javana Rob. and Kloss.

Treron bisincta javana Robinson and Kloss, Journ. Fed. Malay
States Mus. xi, 1923, p. 53 : Badjoelmati, East Java.

Distr.—Java (Central and East).

Treron vernans¹ (Linn.). Pink-necked Green Pigeon.

[*Treron vernans vernans* (Linn.).

Columba vernans Linn., Mantissa Plant. 1771, p. 526 : Luzon Island,
Philippine Islands.

Distr.—Extra-limital.]

Treron vernans griseicapilla Schleg.

Treron griseicapilla Schlegel, Nederl. Tijd. Dierk. i, 1863, p. 70 :
Sumatra.

Dendrophassa vernans abbotti Oberholser, Journ. Wash. Acad. Sci. xiv,
1924, p. 298 : Trang, Peninsular Siam.

Distr.—Malay Peninsula; Tioman Archipelago (except Tioman
Island).

Sumatra (except North-east); Rhio Archipelago; Banka;
Billiton.

Borneo (except South-east); Mantanani and Mangalum
Islands.

Java (West).

¹ Revision : Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 32.

Treron vernans purpurea (Gmel.).

Columba purpurea Gmelin, Syst. Nat. i, pt. 2, 1739, p. 784 : Java.

Distr.—Java (Central and East); Bali; ? Kangean Islands.¹

Borneo (South-east); Maratua Islands.

Treron vernans parva Kloss.

Treron vernans parva Kloss, Treubia, xiii, 1931, p. 308 : Deli, North-east Sumatra.

Distr.—Sumatra (North-east).

Treron vernans adina (Oberh.).²

Dendrophassa vernans adina Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 20 : Mata Island, Anamba Islands.

Dendrophassa vernans pellochloa Oberh., Bull. U. S. Nat. Mus. clix, 1932, p. 30 : Sirhassen Island, South Natuna Islands.

Distr.—Tioman Island, Anamba Islands; North and South Natuna Islands.

***Treron vernans miza** (Oberh.).

Dendrophassa vernans miza Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 3 : Simalur Island.

Distr.—Simalur Island, West Sumatra; ? Banjak Islands.

***Treron vernans mesochloa** (Oberh.).

Dendrophassa vernans mesochloa Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 2 : Nias Island.

Dendrophassa vernans polioptila Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 3 : North Pagi Island, Mentawi Islands, West Sumatra.

Distr.—Nias Island; Tana Bala, Batu Islands; Mentawi Islands; Engano Island, West Sumatra.

Treron olax (Temm.).

Little Green Pigeon.

Columba olax Temminck, Pl. Col. 241, 1823 : Padang, Sumatra.

Osmotreron olax hageni, Parrot, Abh. Kon. Bay. Akad. Wiss. xxiv, 1907, p. 266 : Deli, North-east Sumatra.

Dendrophassa olax arismicra Oberholser, Journ. Acad. Sci. Wash. xiv, 1924, p. 298 : Segah River, North-east Borneo.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka.

Borneo; North Natuna Islands.

Java.

¹ Birds from the Kangean Islands are, according to Hartert, like *purpurea* in colour, but the few published measurements show that they are larger.

² Visual records from the Tambelan Islands probably refer to this race : *T. v. griseicapilla* from Borneo appears to visit the Natuna Islands at certain seasons.

Genus **PTILINOPUS** Swainson.**Ptilinopus porphyreus** (Temm.). Sunda Island Fruit-Dove.*Columba porphyrea* "Reinw" Temminck, Pl. Col. 106, 1823: Java.*Columba roseicollis* Wagl., Syst. Av. Columba, 1827: Java.*Ptilinopus erythrocephalus* Swains., Class. Birds, ii, 1837, p. 347: new name for *C. porphyrea**Distr.*—Sumatra.

Java; Bali.

Ptilinopus cinctus (Temm.). White-headed Fruit Dove.[**Ptilinopus cinctus cinctus* (Temm.).*Columba cincta* Temminck, in Temm. and Knip, Pigeons, 1810, p. 58, pl. 23: South Asia=Timor (Hartert, 1904).*Distr.*—Extra-limital.]**Ptilinopus cinctus albocinctus** Wall.*Ptilinopus albocinctus* Wallace, Proc. Zool. Soc. 1863, p. 496, pl. 39: Flores.*Ptilinopus albocinctus baliensis* Hart., Nov. Zool. iii, 1896, p. 553: Bali.*Distr.*—Bali.**Ptilinopus jambu** (Gmel.). Pink-headed Fruit-Dove.*Columba jambu* Gmelin, Syst. Nat. i, pt. 2, 1789, p. 784: Java, error=Sumatra (Hartert, 1902).*Distr.*—Malay Peninsula; Tioman Archipelago.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo.

Ptilinopus melanocephalus (Penn.). Black-naped Fruit-Dove.**Ptilinopus melanocephalus melanocephalus** (Penn.).*Columba melanocephala* Pennant, Ind. Zool. 1769, p. 6, pl. 6: Java.*Columba Indica* Müll., Natursyst. Suppl. 1776, p. 133: Batavia.*Hamatana richmondensis* Math., Bull. Brit. Orn. Cl. xlv, 1926, p. 60: nom. nov.*Distr.*—Java; Bali; Kangean Islands.***Ptilinopus melanocephalus massopterus** (Oberh.).*Haemataena melanocephala massoptera* Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 191: Mata Siri Island, Java Sea.*Distr.*—Mata Siri Island, Java Sea.

Ptilinopus melanocephalus bangueyensis (Meyer).

Ptilopus bangueyensis Meyer, Journ. f. Ornith. 1891, p. 70 : Banguey Island, North Borneo.

Distr.—North Bornean Islands of Banguey and Balambangan; Maratua Islands.

Karimon-Java Islands.

Genus **DUCULA** Hodgs.**Ducula ænea**¹ (Linn.).

Green Imperial Pigeon.

Ducula ænea ænea (Linn.).

Columba ænea Linn., Syst. Nat. 12th ed. i, 1766, p. 283 : Moluccas, error = Flores (Hart. and Goodson, 1918).

Colomba Moluccensis Müll., Natursyst. Suppl. 1776, p. 133 : Moluccas error = Borneo (Oberh. 1932).

Muscadivores æneus polius Oberh., Bull. U. S. Nat. Mus. 98, 1917, p. 18 : Siantan Island, Anamba Islands.

Muscadivores æneus arhadius Oberh., Journ. Wash. Acad. Sci. xiv, 1924, p. 296 : Kateman River, East Sumatra.

Muscadivores æneus diatropurus Oberh., Bull. U. S. Nat. Mus. 159, 1932, p. 25 : Pulau Midai, Natuna Islands.

Distr.—Malay Peninsula; Tioman Archipelago; Anamba Islands; Tambelan Islands.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo; Natuna Islands; Karimata Islands.

Java; Karimon-Java Islands.

Ducula ænea palawanensis (Blas.).

Carpophaga ænea nov. var. *palawanensis* Blasius, Ornith. iv, 1888, p. 316 : Palawan.

Distr.—Banguey Island, North Borneo.

***Ducula ænea mista** (Oberh.).

Muscadivores æneus mistus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 2 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

Ducula ænea babiensis (Richm.).

Muscadivores consobrina babiensis Richmond, Proc. Biol. Soc. Wash. xxv, 1912, p. 103 : Babi Island, West Sumatra.

Distr.—Babi and Lasia Islands, West Sumatra.

¹ Revision : Oberh., Bull. U. S. Nat. Mus. 1591, p. 27.

Ducula ænea consobrina (Salvad.).

Carpophaga consobrina Salvadori, Ann. Mus. Civ. Gen. (2) 4, 1887, p. 558: Nias Island, West Sumatra.

Carpophaga vandepolli Büttikofer, Notes Leyd. Mus. xviii, 1896, p. 190: Nias Island.¹

Distr.—Nias Island; Banjak Islands, West Sumatra.

Ducula ænea vicina (Riley).

Muscadivores æneus vicinus Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 95: Sipora Island, Mentawi Islands, West Sumatra.

Distr.—Batu Islands; Mentawi Islands, West Sumatra.

Ducula ænea cœnothorax (Salvad.).

Carpophaga cœnothorax Salvadori, Ann. Mus. Civ. Gen. (2) 12, 1892, p. 139: Engano Island, West Sumatra.

Distr.—Engano Island, West Sumatra.

Ducula rosacea (Temm.).

Island Imperial Pigeon.

Ducula rosacea rosacea (Temm.).

Columba rosacea Temminck, Pl. Col. 578, 1835: Timor.

*Distr.*²—Thousand Islands, Java Sea (West); Kangean Islands; Karimon-Java Islands.

***Ducula rosacea zamydra** (Oberh.).

Muscadivores rosaceus zamydrus Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 179: Solombo Besar Island, Java Sea.

Distr.—Islands of Solombo Besar and Arends, Java Sea (East).

Ducula rosacea whartoni (Sharpe).

Christmas Island Pigeon.

Carpophaga whartoni Sharpe, Proc. Zool. Soc. 1887, p. 515, pl. 43: Christmas Island, Indian Ocean.

Distr.—Christmas Island, Indian Ocean; Cocos Keeling Islands (introduced).

Ducula pickeringii (Cass.).

Pickering's Imperial Pigeon.

Ducula pickeringii pickeringii (Cass.).

Carpophaga pickeringii Cassin, Proc. Acad. Nat. Sci. Philad. vii, 1854, p. 228: Mangsi Islet, North Borneo.

Carpophaga everetti O.-Grant, Ann. Mag. Nat. Hist. (6) ii, 1888, p. 351: Mantanani Island.

Distr.—North Bornean Islands of Mangsi, Mangalum and Mantanani; Maratua Islands.

¹ Fide G. C. A. Junge (Mus. Leyden) in litt.

² Birds from all these localities may of course be *D. r. zamydra* which we have not seen.

Ducula badia (Raffles).

Mountain Imperial Pigeon.

Ducula badia badia (Raffles).*Columba badia* Raffles, Trans. Linn. Soc. xiii, 1822, p. 317: Bencoolen, West Sumatra.* *Columba capistrata* Temm., Pl. Col. 165, 1823: Batavia, West Java.*Distr.*—Malay Peninsula.

Sumatra.

Borneo.

Java (West only).¹**Ducula badia lacernulata** (Temm.).*Columba lacernulata* Temminck, Pl. Col. 164, 1823: Java.? *Ducula concolor* Bp., Compt. Rend. xliii, 1856, p. 836: Java.*Distr.*—Java (West and Central).**Ducula badia williami** (Hart.).*Carpophaga williami* Hartert, Nov. Zool. iii, 1896, p. 552: Bali.*Distr.*—Java (East); Bali.Genus **MYRISTICIVORA** Reichenbach.**Myristicivora bicolor** (Scop.).

Pied Imperial Pigeon.

Myristicivora bicolor bicolor (Scop.).*Columba bicolor* Scopoli, Del Flor. et Fauna Insubr. ii, 1786, p. 94: New Guinea.*Distr.*—Malay Peninsula; Tioman Archipelago; Anamba Islands; Tambelan Islands; Saddle Island.

Sumatra; Rhio Archipelago; Lingga Archipelago; Billiton; Simalur Island; Flat Islands; Nias Island; Sipora and Pagi Islands, Mentawi Islands; Engano Island.

Borneo; Mangalum Island; Mantanani Island; Maratua Islands; Natuna Islands; Karimata Islands.

Java; Kangean Islands; Christmas Island.

Genus **COLUMBA** Linn.²**Columba argentina** Bp.

Grey Wood-Pigeon.

Columba argentina Bonaparte, Consp. Gen. Avium ii, 1854, p. 36: Borneo (*Robinson and Kloss*, 1923).[*Myristicivora*] *Carpophaga grisea* (not *Columba grisea* Bonnat 1790), Bp., Consp. Gen. Av., ii, 1855, p. 36 (Gray MS.): Indian Archipelago.¹ Very few examples of *badia* have been recorded from West Java and it seems likely that it either occupies a very restricted area in the island, or that it is a casual visitor from the Lampongs.² A skin of *Columba livia intermedia* Strickl., in the British Museum, from Salanga (Puket), Peninsular Siam, is probably not that of a wild bird.

Revision: Snouck v. Schaub, Org. Cl. Ned. Vog. iii, 1930-31, p. 13.

COLUMBIDÆ.

Columba phasma Richmond, Proc. U. S. Nat. Mus. xxvi, 1903, p. 490 :
nom. nov.

Distr.—? Jarak Island, Straits of Malacca;¹ Anamba Islands.
Sumatra; Karimon, Bintang and Batam Islands, Rhio Archi-
pelago; Taya Island, Lingga Archipelago; Simalur Island;
Pagi Islands.

Borneo; Karimata Islands; North Natuna Islands.

Columba punicea (Tick.). Purple Wood-Pigeon.

C. (Alsocomus) puniceus Tickell in Blyth, Journ. Asiat. Soc. Bengal,
xi, 1842, p. 461 : Singhbhum, Chota Nagpur.

Distr.—Peninsular Siam.

Columba vitiensis Quoy and Gaim.

[**Columba vitiensis vitiensis** Quoy and Gaim.

Columba vitiensis Quoy and Gaimard, Voy. "Astrolabe", Zool. i,
1830, p. 246, pl. 28 : Fiji.

Distr.—Extra-limital.]

Columba vitiensis griseogularis (Wald. and Layard). Grey-throated
Wood-Pigeon.

Ianthœnas griseogularis Walden and Layard, Ibis 1872, p. 104,
pl. 6 : Guimaras, Philippine Islands.

Distr.—Islands of Tiga and Mantanani, North Borneo;² Maratua
Islands.

Genus **MACROPYGIA** Swainson.

Macropygia unchall (Wagl.). Large Cuckoo-Dove.

Macropygia unchall unchall (Wagl.).

Columba Unchall Wagler, Syst. Av. Columba no. 38, 1827 : Java.

Columba leptogrammica Temm., Pl. Col. 560, 1835 : Java.

Macropygia walik-mehra Reichb., Tauben, 1862, p. 86, pl. 3 : Java.

Distr.—Malay States.

Sumatra.

Java.

Macropygia phasianella (Temm.). Sunda Island Cuckoo-Dove.

[**Macropygia phasianella phasianella** (Temm.).

Columba phasianella Temminck, Trans. Linn. Soc. xiii, 1821,
p. 129 : near Port Jackson, New South Wales.

Distr.—Extra-limital.]

¹ Visual records by H. C. Robinson.

² Has also been recorded from the mainland of North Borneo but this
needs confirmation.

COLUMBIDÆ.

Macropygia phasianella emiliana Bp.

Macropygia emiliana Bonaparte, Consp. Gen. Avium ii, 1855, p. 58 : Java.

Macropygia phasianella barussa Siebers, Treubia, xi, 1929, p. 152 : Palembang, Sumatra.

Distr.—Java; Bali.
Sumatra.

Macropygia phasianella megala Siebers.

Macropygia phasianella megala Siebers, Treubia, xi, 1929, p. 151 : Ardjasa, Kangean Island.

Distr.—Kangean Island.

Macropygia phasianella borneensis Rob. and Kloss.

Macropygia emiliana borneensis Robinson and Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 203 : Saribas, Sarawak, Borneo.

Distr.—Borneo.

***Macropygia phasianella hypoperca** Oberh.

Macropygia emiliana hypoperca Oberholser, Smiths. Misc. Coll. ix, 7, 1912, p. 2 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

Macropygia phasianella modiglianii Salvad.

Macropygia modiglianii Salvadori, Ann. Mus. Civ. Gen. (2) 4, 1887, p. 559, pl. 8 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Macropygia phasianella elassa Oberh.

Macropygia emiliana elassa Oberholser, Smiths. Misc. Coll. ix, 7, 1912, p. 2 : North Pagi Island, Mentawi Islands, West Sumatra.

Distr.—Sibérut, Sipora, North and South Pagi Islands, West Sumatra.

Macropygia phasianella cinnamomea Salvad.

Macropygia cinnamomea Salvadori, Ann. Mus. Civ. Gen. (2) 12, 1892, p. 140 : Engano Island, West Sumatra.

Distr.—Engano Island, West Sumatra.

Macropygia ruficeps (Temm.).¹

Small Cuckoo-Dove

Macropygia ruficeps ruficeps (Temm.).

Columba ruficeps Temminck, Pl. Col. 561, 1835 : Java.

Distr.—Java; Bali.

¹ Revision : Stres., Nov. Zool. xx, 1913, p. 311.

Macropygia ruficeps malayana Chas. and Kloss.

Macropygia ruficeps malayana Chasen and Kloss, Bull. Raffles Mus., 5, 1931, p. 82 : Semangko Pass, Perak-Pahang Boundary, Malay States.

Distr.—Malay States.

Macropygia ruficeps sumatrana Rob. and Kloss.

Macropygia ruficeps sumatranus Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. lxxx, 1919, p. 77 : Ophir District, West Sumatra.

Distr.—Sumatra.

Macropygia ruficeps nana Stres.

Macropygia ruficeps nana Stresemann, Nov. Zool. xx, 1913, p. 311 : Mt. Kina Balu, North Borneo.

Distr.—Borneo.

* **Macropygia ruficeps simalurensis** Richm.

Macropygia simalurensis Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 187 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

Genus **STREPTOPELIA** Bonaparte.

Streptopelia bitorquata (Temm.).

Island Turtle-Dove.

Streptopelia bitorquata bitorquata (Temm.).

Columba bitorquata Temminck in Temm. and Knip, Pigeons, i, 1811, p. 86, pl. 40 : India error=Timor (*Hellmayr*, 1914).

Distr.—Sumatra.¹
Java; Bali.

Streptopelia bitorquata dusumieri (Temm.).

Columba dusumieri Temminck, Pl. Col. 1823, pl. 188 : Manila, Philippine Islands.

Distr.—Borneo.²

Streptopelia chinensis (Scop.).

Spotted Dove.

[**Streptopelia chinensis chinensis** (Scop.).

Columba chinensis Scopoli, Del. Flor. et Fauna Insubr. 1786, p. 94 : China.

Distr.—Extra-limital.]

¹ Doubtfully indigenous in Sumatra.

² Almost certainly introduced into Borneo as a cage-bird.

Streptopelia chinensis tigrina (Temm.).¹

Columba Tigrina Temminck in Temm. and Knip, Pigeons, i, 1811, p. 94, tab. 43: Java.

Metriopelia inornata Bp., Consp. Gen. Av. ii, 1855: Brazil error=Java (Mathews, 1927).

Distr.—Malay Peninsula; Tambelan Islands.

Sumatra (part); Rhio Archipelago; Banka; Billiton.

Borneo; North Bornean Islands.

Java; Bali; Kangean; Bawean Island.

Streptopelia chinensis minor (Parrot).

Turtur tigrinus minor Parrot, Abh. Kon. Bay. Akad. Wiss. 2, Kl. 24, Bd. i, 1907, p. 275: Deli, North-east Sumatra.

Distr.—Sumatra (North).

Genus **GEOPELIA** Swainson.**Geopelia striata** (Linn.).

Barred Ground-Dove.

Geopelia striata striata (Linn.).²

Columba striata Linn., Syst. Nat. 12th ed, i, 1766, p. 282: "East Indies" = Malacca.

Columba malaccensis Gmel., Syst. Nat. i, 1788, p. 788: Kedah ex Sonnerat.

Columba bantamensis Sparrm., Mus. Carls. fasc. 3, 1788, pl. 67: Java.

Geopelia lineata Swains., Class Birds, ii, 1837, p. 348: New name for *bantamensis* Sp.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Billiton; Banka.

Borneo; Natuna Islands.

Java; Bali; Kangean Islands; Bawean Island; Karimon-Java Islands.

Genus **CHALCOPHAPS** Gould.**Chalcophaps indica** (Linn.).

Emerald Dove.

Chalcophaps indica indica (Linn.).

Columba indica Linn., Syst. Nat. 10th ed. 1758, p. 164: Calcutta (Baker, 1928).

Columba javanensis Müll., Natursyst. Suppl. 1776, p. 133: Java.

¹ This is a favourite cage-bird in Malaysia and the range given may be artificially large.

² Has almost certainly been introduced into some of the islands included in the range. We are not satisfied that *Columba sinica* Linn., Syst. Nat. 10th ed. 1758, p. 164 applies to this species.

COLUMBIDÆ.—RALLIDÆ.

Columba Javanica Gmel., Syst. Nat. 1789, p. 781 : Java.

Peristera bornensis Bp., Consp. Av. ii, 1855, p. 91 : as syn. of *C. javanica*.

Distr.—Malay Peninsula; Tioman Archipelago; Anamba Islands; Tambelan Islands.

Sumatra; Rhio Archipelago; Banka; Billiton; West Sumatran Islands of Simalur, Babi, Lasia, Nias, Siberut, North Pagi and Engano.

Borneo; North Bornean Islands; Mangalum Island; Natuna Islands.

Java; Bali; Kangean Islands; Bawean Island.

Chalcophaps indica natalis Lister.

Chalcophaps natalis Lister, Proc. Zool. Soc. 1888, p. 522 : Christmas Island.

Distr.—Christmas Island, Indian Ocean

Genus **CALCENAS** Gray.

Caloenas nicobarica (Linn.).

Nicobar Pigeon.

Caloenas nicobarica nicobarica (Linn.).

Columba nicobarica Linn., Syst. Nat. 10th ed. 1758, p. 164 : Nicobar Islands.

Distr.—Small islands almost everywhere in Malaysia but apparently never on the large land masses of the Malay Peninsula, Sumatra, Borneo, Java, Bali, Banka and Billiton.

Family RALLIDÆ.

Rallus striatus Linn.

Blue-breasted Banded Rail.

Rallus striatus striatus (Linn.).

Rallus striatus Linn., Syst. Nat. 12th ed. 1, 1766, p. 262 : Philippine Islands=Manila (*Oberh.*, 1924).

Distr.—Borneo (perhaps not in the South).

Rallus striatus gularis Horsf.¹

Rallus gularis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 196 : Java.

Distr.—Malay Peninsula.

Sumatra; Billiton.

? South Borneo.

Java.

¹ Birds from the Malay Peninsula and Sumatra belong to the same race : good series of *gularis* are not available for comparison. The Malayan bird does not attain the large size of the Indian *albiventer* Sw.

Rallus striatus jouyi (Stejn.).¹

Hypotaenidia jouyi Stejneger, Proc. U.S. Nat. Mus. ix, 1886, p. 362 : Shanghai.

Distr.—Malay States.

***Rallus striata reliquus** (Oberh.).

Hypotaenidia striata reliqua Oberholser, Proc. U.S. Nat. Mus. lv, 1919, p. 476 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

Rallus philippensis Linn.

Philippine Rail.

[**Rallus philippensis philippensis** Linn.

Rallus philippensis Linn., Syst. Nat. 12th ed. i, 1766, p. 263 : Philippine Islands.

Distr.—Extra-limital.]

Rallus philippensis andrewsi (Math.).

Eulabeornis philippensis andrewsi Mathews, Bds. Austr. i, 1911, p. 199 : Cocos-Keeling Islands.

Distr.—Cocos-Keeling Islands.

Rallus fasciatus Raffles.

Malay Banded Crake.

Rallus fasciatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 328 : Bencoolen, West Sumatra.

Gallinula eurisoma Temm., Pl. Color. 417, 1826 : Java.

Rallus ruficeps Less., Traité d'Orn. 1831, p. 537 : Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Banka; Billiton; West Sumatran Islands of Batu group, Sipora and Engano.

Borneo; South Natuna Islands.

Java; Bali.

Rallus eurizonoides (Lafres.).

Banded Crake.

[**Rallus eurizonoides eurizonoides** (Lafres.).

Gallinula eurizonoides Lafresnaye, Rev. Zool. 1845, p. 368 : Philippines.

Distr.—Extra-limital.]

Rallus eurizonoides nigrolineatus (G. R. Gray).²

Zapornia nigrolineata G. R. Gray, Cat. Bds. Nepal, 1846, p. 143 : Nepal.

Rallus superciliaris Eyt. (not Vieill.), Ann. Mag. Nat. Hist. xvi, 1845, p. 230 : Malacca.

Rallina telmatophila Hume, Stray Feath. vii, 1878, p. 142 : Malacca.

Distr.—Malay Peninsula.

Sumatra.

¹ We refer certain large birds from Singapore and Johore to *jouyi*, but do not know how this bird differs from *albiventer* Sw.

² Fide J. L. Peters (1934).

Rallus paykullii Ljungh. - Chinese Banded Crake.

Rallus Paykullii Ljungh, Kongl. Vet. Acad. Handl. 1813, p. 258 :
Batavia, Java.

Porsana rufigenis Wall., Proc. Zool. Soc. 1865, p. 481 : Sarawak, Borneo.
Rallina (Eurysona) sonaiventris Cab., Journ. f. Orn. 1881, p. 425 :
Malacca.

Distr.—Malay States.
Sumatra.
Borneo.
Java.

Genus **PORZANA** Vieillot.

Porzana pusilla (Pall.). Eastern Little Crake.

Porzana pusilla pusilla (Pall.).

Rallus pusillus Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 700 :
Dauria.

Distr.—Malay Peninsula.
Sumatra.
Borneo.
Java (West).

Porzana cinerea (Vieill.). Grey-bellied Crake.

Porzana cinerea cinerea (Vieill.).

Porphyrio cinereus Vieillot, Nouv. Dict. xxviii, 1819, p. 29 : Java
(Mathews, 1911).

Rallus quadristrigatus Horsf., Trans. Linn. Soc. xiii, 1821, p. 196 : Java.

Distr.—Malay Peninsula.
Sumatra.
Borneo.
Java; Kangean Islands.

Porzana fusca (Linn.). Ruddy Crake.

Porzana fusca fusca (Linn.).

Rallus fuscus Linn., Syst. Nat. 12th ed. 1, 1766, p. 262 : Philippine
Islands.

Rallus rubiginosus Temm., Pl. Col. 357, 1825 : Java.

Distr.—Malay States.
Sumatra.
Borneo.
Java; Christmas Island.

Porzana fusca erythrothorax (Temm. and Schleg.).

Gallinula erythrothorax Temminck and Schlegel, Faun. Japon.
Aves, 1849, p. 121, pl. 78 : Japan.

Distr.—Peninsular Siam.

- Porzana bicolor** Wald.¹ Elwe's Crake.
Porzana bicolor Walden, Ann. Mag. Nat. Hist. (4) 9, 1872, p. 47 :
 Darjiling, Sikkim.
Distr.—? Malay States.

Genus **AMAUORNIS**² Reichenbach.

- Amauornis phoenicurus** (Penn.). White-breasted Water-Hen.
 [**Amauornis phoenicurus phoenicurus** (Penn.).

Gallinula phoenicurus Pennant, Ind. Zool. 1769, p. 10 : Ceylon.
Distr.—Extra-limital.]

Amauornis phoenicurus chinensis (Bodd.).

Fulica chinensis Boddaert, Tabl. Planch. Enlum. 1783, p. 54 :
 China = Hongkong (*Stresemann*, 1913).
Distr.—Malay Peninsula.
 Sumatra.³

Amauornis phoenicurus javanicus (Horsf.).

Gallinula javanica Horsfield, Trans. Linn. Soc. xiii, 1821, p. 196 :
 Java.
Gallinula sumatranus Raffles, Trans. Linn. Soc. xiii, 1822, pp. 70, 328 :
 Sumatra.
Amauornis phœnicura cleptea Oberh., Smiths Misc. Coll. lx, 7 1912,
 p. 2 : Nias Island.
Distr.—Malay States (extreme south); Singapore Island.
 Sumatra; Banka; Rhio Archipelago; West Sumatran Islands
 of Simalur, Nias, Batu Islands and the Mentawi Islands.
 Borneo; South Natuna Islands; Billiton.
 Java; Bali; Thousand Islands, Java Sea; Kangean Islands.

Genus **GALLINULA** Brisson.

- Gallinula tenebrosa** Gould. Black Moor-Hen.
 [**Gallinula tenebrosa tenebrosa** Gould.

Gallinula tenebrosa Gould, Birds Austr. 1846, pt. xxiii, pl. 73 :
 South Australia.
Distr.—Extra-limital.]

***Gallinula tenebrosa frontata** Wall.

Gallinula frontata Wallace, Proc. Zool. Soc. 1863, p. 35 : Buru.
Distr.—Borneo (South-east). *

¹ The authenticity of a single specimen recorded from Johore is open to doubt.

² cf. Stres., Nov. Zool. xx, 1913, p. 303; Chas. and Kl., Journ. Siam Soc. (Nat. Hist. Suppl.) vii, 1928, p. 157.

³ Long-winged birds occurring in Sumatra are, no doubt, migrants of this race.

Gallinula chloropus (Linn.). Moor-Hen.

[**Gallinula chloropus chloropus** (Linn.).

Fulica chloropus Linn., Syst. Nat. 10th ed. 1758, p. 152 : England.

Distr.—Extra-limital.]

Gallinula chloropus orientalis Horsf.

Gallinula orientalis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 195 : Java.

Distr.—Malay States.

Sumatra.

Borneo.

Java; Bali; Kangean Islands.

Genus **GALLICREX** Blyth.

Gallixrex cinerea (Gmel.).¹ Water-Cock.

[**Gallixrex cinerea cinerea** (Gmel.).

Fulica cinerea Gmelin, Syst. Nat. i, pt. 2, 1789, p. 702 : China.

Distr.—Extra-limital.]

Gallixrex cinerea plumbea (Vieill.).

Gallinula plumbea Vieillot, Nouv. Dict. d'Hist. Nat. ed. 2, xii, 1817, p. 404 : Java.

Gallinula gularis Horsf., Trans. Linn. Soc. xiii, 1821, p. 195 : Java.

Gallinula lugubris Horsf., Trans. Linn. Soc. xiii, 1821, p. 195 : Java.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo.

Java (West only); Karimon-Java Islands and Kalambau Islands, East Java Sea.

Genus **PORPHYRIO** Brisson.

Porphyrio albus (White). Purple Moor-Hen.

[**Porphyrio albus albus** (White).

Fulica alba alba White, Journ. Voy. New South Wales, 1790, p. 238 : Lord Howe Island.

Distr.—Extra-limital.]

Porphyrio albus viridis Begbie.

Porphyrio viridis Begbie, Malayan Peninsula, 1834, p. 515 : Malacca.

Distr.—Malay States.

¹ Judging from the few available measurements the birds occurring in Malaysia seem rather smaller than more northern representatives of the species.

Porphyrio albus indicus Horsf.

Porphyrio Indicus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 194 : Java.

Porphyrio smaragdinus Temm., Pl. Col. 421, 1826 : Java.

Porphyrio bemmeleni Büttik.,¹ Notes Leyd. Mus. xi, 1889, p. 191 : Lake Toba, North Sumatra.

Distr.—Java; Kangean Islands.

Sumatra; ? Nias Island, West Sumatra.

Borneo.

Genus **FULICA** Linn.

Fulica atra Linn.

Coot.

***Fulica atra atra** Linn.²

Fulica atra Linn., Syst. Nat. 10th ed. 1758, p. 152 : Sweden.

Fulica lugubris S. Müll., Verh. Nat. Gesch. Land en Volk. 1847, p. 454 : Java.

Distr.—Sumatra.

Java.

Family **HELIORNITHIDÆ**.

Genus **HELIOPAIS** Sharpe.

Heliopais personata (Gray).

Masked Finfoot

Podica personata Gray, Proc. Zool. Soc. 1848, p. 90 : Malacca.

Distr.—Malay Peninsula (including island of Koh Pennan in Bandon Bight).

Sumatra.

Family **GRUIDÆ**.

Genus **GRUS** Pallas.

Grus antigone (Linn.).

Sarus Crane.

[**Grus antigone antigone** (Linn.).

Ardea Antigone Linn., Syst. Nat. 10th ed. 1758, p. 142 : Further India.

Distr.—Extra-limital.]

Grus antigone sharpii Blanford.

Grus (Antigone) sharpii Blanford, Bull. B.O.C. v, 1895, p. 7; Burma.

Distr.—Malay Peninsula (not south of Perak).

¹ We do not believe in the occurrence of two *species* of *Porphyrio* in Sumatra, but have seen no topotypes of *bemmeleni* which is perhaps a recognizable northern race.

² We have never examined a Malaysian specimen of the coot.

Family JACANIDÆ.

Genus **HYDROPHASIANUS** Wagler.

Hydrophasianus chirurgus (Scop.). Pheasant-tailed Jacana.

Tringa Chirurgus Scopoli, Del. Flor. et Faun. Insubr. 2, 1786,
p. 92: Luzon, Philippine Islands.

Distr.—Malay States.

Sumatra.¹

Borneo.

Java.

Genus **METOPIDIUS** Wagler

Metopidius indicus (Lath.). Bronze-winged Jacana.

Parra indica Latham, Index Orn. ii, 1790, p. 765: India.

Parra superciliosa Horsfield, Trans. Linn. Soc. xiii, 1821, p. 194: Java.

Distr.—Malay Peninsula.²

Sumatra.

Java.

Genus **IREDIPARRA** Mathews.

Irediparra gallinacea (Temm.). Lotus-Bird.

***Irediparra gallinacea gallinacea** (Temm.).

Parra gallinacea Temminck, Pl. Col. 464, 1828: Menado, Celebes.

Distr.—Borneo (South-east).

Family BURHINIDÆ.

Genus **ESACUS** Lesson.

Esacus magnirostris (Vieill.). Stone-Plover.

[**Esacus magnirostris magnirostris** (Vieill.).

Oedicnemus magnirostris Vieillot, Nouv. Dict. Hist. Nat. xxiii,
1818, p. 231: Australia (*Berlepsch*, 1911).

Distr.—Extra-limital.]

¹ We have recently examined a specimen from Kateman, East Sumatra.

² Additional locality, Bandon, Peninsular Siam (Mus. Aagaard).

**Esacus magnirostris scommophorus* (Oberh.).¹

Orthorhamphus magnirostris scommophorus Oberholser, Proc. U.S. Nat. Mus. lv, 1919, p. 133: Wai Island, Tambelan Islands, South China Sea.

Distr.—Peninsular Siam; Tambelan Islands.
Sumatra; Banka; Rhio Archipelago.
Borneo.
Java; Bali; Kangean Islands.

Family ROSTRATULIDÆ.

Genus **ROSTRATULA** Vieillot.

Rostratula benghalensis (Linn.).

Painted Snipe.

Rostratula benghalensis benghalensis (Linn.).

Rallus benghalensis Linn., Syst. Nat. 10th ed. 1758, p. 153: Asia.

Rhynchæa orientalis Horsf., Trans. Linn. Soc. xiii, 1821, p. 193: Java.

Distr.—Malay States.

Sumatra.

Borneo.

Java.

Family CHARADRIIDÆ.

Genus **HOPLOPTERUS** Bonaparte.

Hoplopterus spinosus (Linn.).

Spur-winged Plover.

[**Hoplopterus spinosus spinosus** (Linn.).

Charadrius spinosus Linn., Syst. Nat. 10th ed. 1758, p. 151: Egypt.

Distr.—Extra-limital.]

Hoplopterus spinosus duvaucelii (Less.).

Charadrius Duvaucelii Lesson, Dict. Sci. Nat. Hist. ed. Levr. xlii, 1826, p. 38: Calcutta.

Distr.—Peninsular Siam.

¹ There are also visual records from the Anamba Islands; Simalur, Babi Island and the Banjak Islands, West Sumatra; and the North Bornean Islands. Oberholser and Mathews think that extra-limital specimens differ from the Australian race: Mrs. Meinertzhagen and Stuart Baker lump them all but consider that the Tambelan and Andaman birds may possibly be separated as *scommophorus*. This latter action is, *prima facie*, inadmissible. We have not seen *scommophorus* and use the name for all Malaysian birds.

Genus **XIPHIDIOPTERUS** Reichenbach.

Xiphidiopterus tricolor (Horsf.). Black-thighed Wattled Lapwing.

Vanellus tricolor Horsfield, Trans. Linn. Soc. xiii, 1821, p. 186 :
Java.

Vanellus cucullatus Temm., Pl. Col. 1830, pl. 505 : Java.

Distr.—Java.

Sumatra.

Genus **LOBIVANELLUS**¹ G. R. Gray.

Lobivanellus indicus (Bodd.). Wattled Lapwing.

[**Lobivanellus indicus indicus** (Bodd.).

Tringa Indica Boddaert, Tabl. Planch. Enlum. 1783, p. 50 : Goa,
India.

Distr.—Extra-limital.]

Lobivanellus indicus atronuchalis Jerd.

Lobivanellus atronuchalis "Blyth" Jerdon, Birds of India, iii, 1864,
p. 648 : Burma.

Distr.—Malay Peninsula.

? Sumatra.²

Genus **SQUATAROLA** Cuvier.

Squatarola squatarola (Linn.). Grey Plover.

[**Squatarola squatarola squatarola** (Linn.).

Tringa Squatarola Linn., Syst. Nat. 10th ed. 1758, p. 149 : Sweden.

Distr.—Extra-limital.]

Squatarola squatarola australis Reich.

Squatarola helvetica australis Reichenbach, Novit. Sys. Av., No. v.
1851, p. 3 : Australia.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo; North Natuna Islands.

Java.

¹ Peters (1934) mentions *Microsarcops cinereus* (Blyth) from the Malay States, but we know of no reliable record from our area.

² The presence of this species in Sumatra needs confirmation.

CHARADRIIDÆ.

Genus **CHARADRIUS** Linn.

Charadrius apricarius Linn.

Golden Plover.

[*Charadrius apricarius apricarius* Linn.

Charadrius apricarius Linn., Syst. Nat. 10th ed. 1758, p. 150 : Lapland.

Distr.—Extra-limital.]

Charadrius apricarius fulvus Gmel.

Charadrius fulvus Gmelin, Syst. Nat. i, pt. 2, 1789, p. 687 : Tahiti.

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.

Sumatra; Banka; West Sumatran Islands of Simalur, Nias, Batu Islands; Mentawi Group.

Borneo; Natuna Islands; Karimata Islands.

Java; Bali; Kangean Islands; Christmas Island.

Charadrius leschenaultii Less.

Large Sand-Plover.

Charadrius leschenaultii leschenaultii Less.

Charadrius Leschenaultii Lesson, Dict. Sci. Nat. ed. Levr., xlii, 1826, p. 36 : India.

Distr.—Malay States; Anamba Islands.

Sumatra; Banka; West Sumatran Islands of Simalur, Nias and Mentawi Group.

Borneo; North Natuna Islands.

Java; Bali; Kangean Islands.

Charadrius mongolus Pallas.

Small Sand-Plover.

Charadrius mongolus mongolus Pall.¹

Charadrius mongolus Pallas, Reise Prov. Russ. Reichs iii, 1776, p. 700 : Siberia.

Distr.—North Bornean Islands of Banguay and Balambangan. Java.

Charadrius mongolus atrifrons Wagl.

Charadrius atrifrons Wagler, Isis, 1829, col. 650 : Bengal.

Charadrius sanguineus Less., Dict. Sci. Nat., ed. Levr. xlii, 1826 : Java.

Charadrius cirrhepidesmos Wagl., Syst. Av., Charadr. sp. 18, 1827 : Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago.

Borneo; North Natuna Islands.

Java.

¹ Within Malaysian limits we have only seen undoubted *C. m. mongolus* from Balambangan Island: one from Banguay Island also has the wing rather long for *C. m. atrifrons*.

Charadrius asiaticus Pall.

Eastern Dotterel.

[**Charadrius asiaticus asiaticus** Pall.

Charadrius asiaticus Pallas, Reise Prov. Russ. Reichs, ii, 1773,
p. 715: South Tartary Steppes.

Distr.—Extra-limital.]

Charadrius asiaticus veredus Gould.

Charadrius veredus Gould, Proc. Zool. Soc. 1848, p. 38: North
Australia.

Distr.—Malay States.

Borneo; North Natuna Islands.

Java.

Charadrius dubius Scop.

Little Ringed Plover.

Charadrius dubius curonicus Gmel.¹

Charadrius curonicus Gmelin, Syst. Nat. i, pt. 2, 1789, p. 692:
Curonia = Baltic Prov. of Russia.

Charadrius pusillus Horsf., Trans. Linn. Soc. xiii, 1821, p. 187: Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Nias Island, West Sumatra.

Borneo.

Java; Kangean Islands.

Charadrius dubius jerdoni (Legge).

Aegialitis jerdoni Legge, Proc. Zool. Soc. 1880, p. 29: Ceylon.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Charadrius alexandrinus² Linn.

Kentish Plover.

Charadrius alexandrinus alexandrinus Linn.

Charadrius alexandrinus Linn., Syst. Nat. 10th ed. 1758, p. 150:
Egypt.

Distr.—Malay Peninsula.

Borneo; North Natuna Islands.

Charadrius alexandrinus dealbatus (Swinh.).

Aegialitis dealbatus Swinhoe, Proc. Zool. Soc. 1870, p. 138: Hainan.

Distr.—Malay States.

Sumatra.

Borneo.

¹ The typical race has been recorded from Mergui and may therefore occur in Malaysia.

² Revision: Neum., Nov. Zool. xxxv, 1929, p. 212.

Charadrius alexandrinus seebohmi Hart. and Jackson.

Charadrius alexandrinus seebohmi Hartert and Jackson, Ibis, 1915, p. 529: nom. nov. for *C. cantianus minutus* Seeb. not Pallas ("Southern shores of Red Sea, and island of Ceylon").

Distr.—Java.¹

Charadrius peronii Schleg.

Malay Sand-Plover.

Charadrius peronii Schlegel, Mus. Pays-Bas, 1865, Cursores, p. 33: Borneo (Hartert, 1902).

Distr.—Malay Peninsula; Tioman Archipelago.

Sumatra; Rhio Archipelago.

Borneo; Labuan; North Bornean Islands of Mangalum, Tiga and Balambangan.

Java; Bali; Kangean Islands.

Genus **HIMANTOPUS** Brisson.

Himantopus himantopus (Linn.).

Black-winged Stilt.

Himantopus himantopus himantopus (Linn.).²

Charadrius Himantopus Linn., Syst. Nat. 10th ed. 1758, p. 151: Southern Europe.

Distr.—Malay States.

Borneo.

Himantopus himantopus leucocephalus Gould.

Himantopus leucocephalus Gould, Synops. Birds Austr. pt. 2, 1837, pl. 34: New South Wales.

Distr.—Borneo.³

Java.

Family **SCOLOPACIDÆ**.

Genus **NUMENIUS** Brisson.

Numenius arquata (Linn.).

Curlew.

[**Numenius arquata arquata** (Linn.).

Scolopax Arquata Linn., Syst. Nat. 10th ed. 1758, p. 145: Sweden.

Distr.—Extra-limital.]

¹ Two specimens (Feb., May). Wings 100–103 mm. "Breeding in Java" (fide the collector). Not *C. ruficapillus*.

² Has been recorded from Borneo by Blasius (1884) but we have not seen the paper. The identification needs confirmation (? *leucocephalus*).

³ We do not admit the locality "Sumatra" for this form. The Sunda Islands bird is, of course, *timorensis* Mathews if this race is good.

Numenius arquata orientalis Brehm.¹

Numenius orientalis C. L. Brehm, Handb. Naturg. Vög. Deutschl. 1831, p. 610 : East Indies.

Numenius nasicus Temm., Man. d'Orn. 2nd ed. iv, 1840, p. 393 : Borneo and Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banjak Islands, West Sumatra. Borneo.

Java.

Numenius madagascariensis (Linn.).² Australian Curlew.

Scolopax madagascariensis Linn., Syst. Nat. 12th ed. i, 1766, p. 242 : Madagascar error = Macassar, Celebes.

Distr.—Sumatra; Rhio Archipelago.

Borneo.

Java.

Numenius phaeopus (Linn.). Whimbrel.

[*Numenius phaeopus phaeopus* (Linn.).

Scolopax Phaeopus Linn., Syst. Nat. 10th ed. 1758, p. 146 : Sweden.

Distr.—Extra-limital.]

Numenius phaeopus variegatus (Scop.).³

Tantalus variegatus Scopoli, Del. Flor. et Faun. Insubr. ii, 1786, p. 92 : Luzon, Philippine Islands.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton; Simalur Island, Batu Islands and Mentawi Islands, West Sumatra.

Borneo; North Natuna Islands.

Java; Bali (*vis. rec.*); Kangean Islands.

Christmas Island.

Numenius minutus Gould.

Numenius minutus Gould, Proc. Zool. Soc. for 1840, 1841, p. 176 : New South Wales.

Distr.—Borneo.⁴

?Java.

¹ Replaces *N. lineatus* Cuv. (nom. nud.).

² Replaces *Numenius cyanopus*.

³ A few specimens from the Malay Peninsula seem exactly like typical *phaeopus*: many others are true *variegatus*; others again seem intermediate.

⁴ Chasen and Kloss, Journ. Malay Branch Roy. Asiat. Soc. vi, pt. 3, 1928, p. 68. Meyer and Wieglesworth include Java in the range, apparently on the authority of von Schierbrand, but the record needs confirmation: it is omitted by Bartels and Stresemann in their list of Java birds.

Genus **LIMOSA** Brisson.

Limosa limosa (Linn.). Black-tailed Godwit.

[**Limosa limosa limosa** (Linn.).

Scolopax Limosa Linn., Syst. Nat. 10th ed. 1758, p. 147: Sweden.

Distr.—Extra-limital.]

Limosa limosa melanuroides Gould.

Limosa melanuroides Gould, Proc. Zool. Soc. 1846, p. 84: Port Essington, Northern Territory, Australia.

Distr.—Malay States.

Sumatra.

Borneo.

Java.

Limosa lapponica (Linn.). Bar-tailed Godwit.

[**Limosa lapponica lapponica** (Linn.).

Scolopax lapponica Linn., Syst. Nat. 10th ed. 1758, p. 147: Lapland.

Distr.—Extra-limital.]

Limosa lapponica baueri Naum.

Limosa Baueri Naumann, Naturg. Vög. Deutschl. viii, 1836, p. 429: New Holland=Victoria.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java.

Genus **PHALAROPUS** Brisson.

Phalaropus lobatus (Linn.). Red-necked Phalarope.

Tringa tobata (typ. err.) Linn., Syst. Nat. 10th ed. 1758, p. 148: Hudson Bay, North America.

Distr.—Borneo.

Genus **SCOLOPAX** Linn.

Scolopax rusticola Linn. Woodcock.

Scolopax rusticola rusticola Linn.

Scolopax Rusticola Linn., Syst. Nat. 10th ed. 1758, p. 145: Sweden.

Distr.—Malay States.¹

Scolopax saturata Horsf. Horsfield's Woodcock.

Scolopax saturata saturata Horsf.

Scolopax saturata Horsfield, Trans. Linn. Soc. xiii, 1821, p. 191: Java.

Distr.—Java.

Sumatra.

¹ There is a dubious record from the Cocos-Keeling Islands.

SCOLOPACIDÆ.

Genus **CAPELLA** Frenzel.

Capella stenura (Bp.).

Pintail Snipe.

Scolopax stenura "Kuhl" Bonaparte, Ann. Stor. Nat. Bologna, iv, 1830, p. 335: Sunda Islands.

Scolopax pectinicauda Peale, U.S. Expl. Exped. Birds, 1848, p. 227: Singapore.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Banka; West Sumatran Islands of Simalur, Nias and Mentawi Group; Billiton.

Borneo.

Java; Bali; Karimon-Java Islands.

Christmas Island.

Capella megala (Swinh.).

Swinhoe's Snipe.

Gallinago megala Swinhoe, Ibis, 1861, p. 343: Pekin.

Distr.—Malay States.

Borneo.

Java; Bali.

Capella gallinago (Linn.).

Common or Fantail Snipe.

Capella gallinago gallinago (Linn.).

Scolopax Gallinago Linn., Syst. Nat. 10th ed. 1758, p. 147: Sweden.

Distr.—Malay Peninsula.¹

Sumatra.

Borneo.

Java; Cocos-Keeling Islands.

Genus **LIMNODROMUS** Wied.

Limnodromus griseus (Gmel.).

Snipe-billed Godwit.

[*Limnodromus griseus griseus* (Gmel.).

Scolopax grisea Gmelin, Syst. Nat. i, pt. 2, 1789, p. 658: Coast near New York.

Distr.—Extra-limital.]

Limnodromus griseus semipalmatus (Blyth).

Macrorhamphus semipalmatus "Jerdon" Blyth, Journ. As. Soc. Bengal, xvii, 1848, i, p. 252: near Calcutta.

Distr.—Malay Peninsula.

Sumatra.²

Borneo.

Java.

¹ We have one or two pale birds from the Malay Peninsula which may be *raddei* Buturlin.

² "Sumatra" is here given on the authority of a manuscript note left by Robinson.

Genus **ARENARIA** Brisson.

Arenaria interpres (Linn.). Turnstone.

Arenaria interpres interpres (Linn.).

Tringa Interpres Linn., Syst. Nat. 10th ed. 1758, p. 148: Sweden.

Distr.—Malay Peninsula.

Sumatra; Banka; Simalur Island and Mentawi Islands, West Sumatra.

Borneo; North Natuna Islands.

Java; Bali.

Genus **CALIDRIS** Merrem.

Calidris canutus (Linn.). Knot.

Calidris canutus canutus (Linn.).¹

Tringa Canutus Linn., Syst. Nat. 10th ed. 1758, p. 149: Sweden.

Distr.—Banka Island.

North Natuna Islands.

Java.

Calidris tenuirostris (Horsf.).² Great Knot

Totanus tenuirostris Horsfield, Trans. Linn. Soc. xiii, 1821, p. 192: Java.

Distr.—Malay States.

Borneo; North Natuna Islands.

Java.

Genus **CROCETHIA** Billberg.

Crocethia alba (Pall.). Sanderling.

Tringa alba Pallas, Vroeg's Cat. Coll., Adumb. 1764, p. 7: Coast of North Sea, Holland.

Distr.—Malay States.

Borneo.

Java.

Christmas Island.

¹ *C. c. rogersi* (Maths.) if that form is really distinct.

² The occurrence of this species in the east of Sumatra is almost certain but we cannot trace a record from the island.

Genus **LIMICOLA** Koch.

Limicola falcinellus (Pont.). Broad-billed Sandpiper.

[**Limicola falcinellus falcinellus** (Pont.).

Scolopax Falcinellus Pontoppidan, Danske Atlas, 1763, p. 623 : Denmark.

Distr.—Extra-limital.]

Limicola falcinellus sibirica Dress.¹

Limicola sibirica Dresser, Proc. Zool. Soc. 1876, p. 674 : Siberia and China.

Distr.—Malay Peninsula.

Sumatra.

Java.

Genus **PHILOMACHUS** Merrem.

Philomachus pugnax (Linn.). Ruff (male); Reeve (female).

Tringa Pugnax Linn., Syst. Nat. 10th ed. 1758, p. 148 : Sweden.

Distr.—Malay States.

Borneo.

Genus **EROLIA** Vieillot.

Erolia ruficollis (Pall.). Red-necked Stint.

Trynga ruficollis Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 700 : South Transbaikalia.

Totanus damacensis Horsf., Trans. Linn. Soc. xiii, 1821, p. 192 : Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Simalur Island, West Sumatra.

Borneo; North Natuna Islands.

Java.

Christmas Island.

Erolia minutilla (Vieill.). Long-toed Stint.

Erolia minutilla minutilla (Vieill.).

[*Tringa minutilla* Vieillot, Nouv. Dict. Hist. Nat. xxxiv, 1819, p. 446 : North America.]

Distr.—Extra-limital.

¹ We can trace no record for Borneo although the species no doubt occurs there.

Erolia minutilla subminuta (Middend.).

Tringa subminuta Middendorff, Reise Nord. und Ost. Siberien, ii, 1853, p. 222 : Siberia.

Distr.—Malay Peninsula.¹

Banka Island.

Borneo.

Java.

Erolia temminckii (Leisler).

Temminck's Stint.

Tringa temminckii Leisler, Nacht. zu Bechst. Nat. Deutsch. 1812, p. 63 : Germany.

Distr.—Malay States.

Borneo.²

***Erolia acuminata** (Horsf.).

Siberian Pectoral Sandpiper.

Totanus acuminatus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 192 : Java.

Distr.—Java.

Erolia testacea (Pall.).

Curlew-Sandpiper.

Scolopax testacea Pallas, in Vroeg's Cat. Adumbr. 1764, p. 5 : Holland.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java.

Erolia alpina (Linn.).

Dunlin.

[**Erolia alpina alpina** (Linn.).

Tringa alpina Linn., Syst. Nat. 10th. ed. 1758, p. 149 : Lapland.

Distr.—Extra-limital.]

Erolia alpina sakhalina (Vieill.).³

Scolopax sakhalina Vieillot, Nouv. Dict. Hist. Nat. iii, 1816, p. 359 : Russia.

Distr.—Borneo.

Java.

¹ This species is of course tolerably certain to occur in Sumatra but we cannot find a record : it is scarce in the Malay Peninsula but has been taken on an island in the Straits of Malacca.

² Seebohm and Vorderman both give "Borneo" for this species apparently on the strength of a specimen in the Leyden Museum collected by Schwaner. Vorderman also gives "Java" which is not accepted by Bartels and Stresemann.

³ At this distant date Schlegel's records (1864) need confirmation as to locality. The species has not since been recorded from Malaysia and old specimens labelled as "*alpina*" in the Raffles Museum from the Natuna Islands are *Erolia testacea*.

SCOLOPACIDÆ.

Genus **XENUS** Kaup.

Xenus cinereus (Güld.). Avocet-Sandpiper.

Scolopax cinerea Gùldenstadt, Nov. Comm. Petrop. xix, 1774, p. 473 : Shores of Caspian Sea.

Totanus javanicus Horst., Trans. Linn. Soc. xiii, 1821, p. 193 : Java.

Scolopax sumatrana Raffles, Trans. Linn. Soc. xiii, 1822, p. 327 : Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java.

Genus **TRINGA** Linn.

Tringa totanus (Linn.). Redshank.

Tringa totanus totanus (Linn.).

Scolopax Totanus Linn., Syst. Nat. 10th ed. 1758, p. 145 : Sweden.

Distr.—Malay Peninsula; Anamba Islands.

North Natuna Islands.

Tringa totanus eurhinus (Oberh.).

Totanus totanus eurhinus Oberholser, Proc. U.S. Nat. Mus. xxii, 1900, p. 207 : Ladak.

Distr.—Malay Peninsula; Tambelan Islands.

Sumatra; Simalur Island, West Sumatra.

Borneo; North Natuna Islands.

Java; Bawean Island.

Tringa stagnatilis (Bechst.). Marsh Sandpiper.

Totanus stagnatilis Bechstein, Orn. Taschenb. 1803, p. 292 : Germany.

Distr.—Malay States.

Borneo.

Java.

Tringa ochropus Linn. Green Sandpiper.

Tringa Ochrophus Linn., Syst. Nat. 10th ed. 1758, p. 149 : Sweden.

Distr.—Borneo.¹

Karimon-Java Islands.

Tringa incana (Gmel.). Grey-rumped Tattler.

[*Tringa incana incana* Gmel.

Scolopax incana Gmelin, Syst. Nat. i, pt. 2, 1789, p. 658 : Eimeo and Palmerston Islands, Pacific Ocean.

Distr.—Extra-limital.]

¹ We have seen a recent specimen from Sarawak.

Tringa incana brevipes (Vieill.).

Totanus brevipes Vieillot, Nouv. Dict. Hist. Nat. vi, 1816, p. 410 : Timor.

Distr.—Malay States.

Sumatra.

Borneo; North Natuna Islands.

Java; Kangean Islands; Thousand Islands, Java Sea.

Christmas Island.

Tringa hypoleucos Linn.

Common Sandpiper.

Tringa Hypoleucos Linn., Syst. Nat. 10th ed. 1758, p. 149 : Sweden.

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.

Sumatra; Rhio Archipelago; Banka; West Sumatran Islands of Simalur, Nias and Mentawi group; Billiton.

Borneo; Natuna Islands; Karimata Islands.

Java; Bali; Kangean Islands; Bawean Island; Karimon-Java Islands.

Christmas Island.

Tringa guttifer (Nord.).

Armstrong's Sandpiper.

Totanus guttifer Nordmann, in Erman's Reise, Naturh. Atl. 1835, p. 17 : near Ochotsk.

Distr.—Malay States.

Borneo.

Tringa nebularia (Gunn.).

Greenshank.

Scolopax nebularia Gunnerus, in Leem, Beskr. Finn. Lapp. 1767, p. 251 : Norway.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java.

Christmas Island; Cocos-Keeling Islands.

Tringa glareola Linn.

Wood Sandpiper.

Tringa Glareola Linn., Syst. Nat. 10th ed. 1758, p. 149 : Sweden.

Totanus affinis Horsf., Trans. Linn. Soc. xiii, 1821, p. 191 : Java.

Totanus kuhlii Brehm, Handb. Naturg. Vög. Deutschl. 1831, p. 641 : Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra.

Borneo; North Natuna Islands.

Java; Bali.

Family GLAREOLIDÆ.

Genus **GLAREOLA** Brisson.

Glareola pratincola (Linn.). Collared Pratincole.

[**Glareola pratincola pratincola** (Linn.).

Hirundo Pratincola Linn., Syst. Nat. 12th ed. i, 1766, p. 145 : Austria.

Distr.—Extra-limital.]

Glareola pratincola maldivarum Forst.

Glareola (Pratincola) Maldivarum J. R. Forster, Faun. Indica, 1795, p. 11 : Maldives Islands.

Glareola orientalis Leach, Trans. Linn. Soc. xiii, 1821, p. 132 : Java.

Distr.—Malay States; Anamba Islands.

Sumatra; Banka; West Sumatran islands of Nias and Mentawi Group; Billiton.

Borneo; Natuna Islands.

Java; Thousand Islands, Java Sea; Karimon-Java Islands.

Christmas Island.

Glareola isabella (Vieill.). Long-legged Pratincole.

Glareola isabella Vieillot, Analyse, 1816, p. 69 : Australia.

Distr.—Borneo; Billiton.

Java.¹

Family DROMADIDÆ.

Genus **DROMAS** Paykull.

Dromas ardeola Payk. Crab-Plover.

Dromas Ardeola Paykull, Konge. Vet. Akad. Handl. Stockholm, xxvi, 1805, p. 182 : India.

Distr.—Malay States.

Family LARIDÆ.

Genus **CHLIDONIAS** Rafinesque.

Chlidonias leucoptera (Temm.). White-winged Black Tern.

[**Chlidonias leucoptera leucoptera** (Temm.).

Sterna leucoptera Temminck, Man. d'Orn. 1815, p. 483 : Mediterranean Sea.

Distr.—Extra-limital.]

¹ The evidence for the occurrence of this species in Java is not good but it is very likely to occur there.

Chlidonias leucoptera grisea (Horsf.).¹

Sterna grisea Horsfield, Trans. Linn. Soc. xiii, 1821, p. 199: Java.

Distr.—Malay Peninsula (West Coast).

Sumatra (Straits of Malacca).

Borneo.

Java.

Chlidonias hybrida (Pall.).

Whiskered Tern.

[*Chlidonias hybrida hybrida* (Pall.).

Sterna hybrida Pallas, Zoogr. Rosso-Asiat. ii, 1811, p. 338: Russia.

Distr.—Extra-limital.]

Chlidonias hybrida javanica (Horsf.).²

Sterna javanica Horsfield, Trans. Linn. Soc. xiii, 1821, p. 198:

Java.

Distr.—Borneo.

Java.

Genus **GELOCHELIDON** Brehm.

Gelochelidon nilotica (Gmel.).

Gull-billed Tern.

[*Gelochelidon nilotica nilotica* (Gmel.).

Sterna nilotica Gmelin, Syst. Nat. i, pt. 2, 1789, p. 606: Egypt.

Distr.—Extra-limital.]

Gelochelidon nilotica affinis (Horsf.).

Sterna affinis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 199: Java.

Distr.—Malay Peninsula.

Sumatra.

Borneo; Natuna Islands.

Java.

Genus **STERNA** Linn.

Sterna hirundo Linn.

Common Tern.

[*Sterna hirundo hirundo* Linn.

Sterna Hirundo Linn., Syst. Nat. 10th ed. 1758, p. 137: Sweden.

Distr.—Extra-limital.]

Sterna hirundo longipennis Nordm.³

Nordmann's Tern.

Sterna longipennis Nordmann in Erman's Verz. Thieren u.

Pflanzen, 1835, p. 17: Ochotsk, Siberia.

Distr.—Malay Peninsula (both coasts).

Sumatra.

Java; Borneo.

¹ We have only recognized an eastern race for this tern after much hesitation.

² "*H. hybrida*" has been recorded from Nias by Rosenberg.

³ Records of *fluvialis* (= *hirundo*), and *tibetana* from Malaysia all seem to apply to this form: a specimen has been examined from Sarawak.

Sterna dougallii Mont.

Roseate Tern.

[**Sterna dougallii dougallii** Mont.

Sterna Dougallii Montagu, Ornith. Dict. Suppl. 1813, no pagination : Scotland.

Distr.—Extra-limital.]

Sterna dougallii bangsi Math.¹

Sterna dougallii bangsi Mathews, Birds Austr. ii, 1912, p. 364 : Foochow, China.

Distr.—Malay Peninsula (both coasts).

Sumatra.

Borneo.

Java.

Sterna bengalensis Less.

Smaller Crested Tern.

Sterna bengalensis bengalensis Less.²

Sterna bengalensis Lesson, Traité d'Orn. 1831, p. 621 : Coasts of India.

Sterna media Horsf. (nec Vieill. 1820) Trans. Linn. Soc. xiii, 1821, p. 199 : Java.

Distr.—Malay Peninsula (Straits of Malacca).

Sumatra.

Java.

Sterna bergii Licht.³

Large Crested Tern.

[**Sterna bergii bergii** Licht.

Sterna bergii Lichtenstein, Verz. Doubl. Zool. Mus. Berlin, 1823, p. 80 : Cape of Good Hope.

Distr.—Extra-limital.]

Sterna bergii edwardsi (Math.).

Thalasseus bergii edwardsi Mathews, Birds Austr. ii, 1912, p. 347 : Ceylon.

Distr.—Malay Peninsula (Straits of Malacca).

? Sumatra.⁴

¹ Occurring as it does in the South China, Sulu and Java Seas this tern must be included in the avifauna of Borneo although we know of no actual record from that island. Specimens from Luzon and Palawan also appear to be *bangsi* (fide H. C. Robinson in litt.). *S. d. korustes* Hume (Andamans), is said to visit the Mergui Archipelago and may therefore occur in the Straits of Malacca, but our few specimens from this latter locality seem to be *bangsi*.

² Although recorded from Celebes this tern is not known from Borneo, or the Philippines, but as it is found in Java the south of Borneo is also possibly within the range.

³ Revision : Oberh., Proc. U.S. Nat. Mus. xlix, 1915, p. 515.

⁴ There is no definite record for Sumatra, but it is almost certain that this race must occur within sight of the coast.

Rosenberg records a form of this species from Nias: it may be *edwardsi* or *cristatus*.

Sterna bergii cristata Steph.

Sterna cristatus Stephens, Gen. Zool. xiii, 1826, p. 146: China (Mathews, 1912).

Distr.—Malay Peninsula (East Coast south to Singapore).

Sumatra; Rhio Archipelago; Anamba Islands.

Borneo; Natuna Islands.

Java; Thousand Islands, Java Sea; Bali; Kangean Islands; Karimon-Java Islands.

Sterna bergii halodrama (Oberh.).¹

Thalasseus bergii halodramus Oberholser, Proc. U.S. Nat. Mus. xlix, 1915, p. 522: Pata Island, near Sulu Island, South Philippine Islands.

Distr.—?Borneo (North-west).

Sterna anæthetus Scop.

Panayan or Bridled Tern.

Sterna anæthetus anæthetus Scop.

Sterna Anæthetus Scopoli, Del. Flor. et Faun. Insubr. 1786, p. 92: Panay Island, Philippine Islands.

Distr.—Malay Peninsula (both coasts); Anamba Islands; Tambelan Islands.

Sumatra; Taya Island, Lingga Archipelago; Billiton.

Borneo; Natuna Islands.

Java.

Sterna anæthetus antarctica Less.

Sterna antarctica Lesson, Traité d'Orn. 1831, p. 631: Mauritius.

Distr.—Cocos-Keeling Islands.

Sterna fuscata Linn.

Sooty Tern.

Sterna fuscata fuscata Linn.

[*Sterna fuscata* Linn., Syst. Nat. 12th. ed. i, 1766, p. 228: Santo Domingo, West Indies.

Distr.—Extra-limital.]

Sterna fuscata nubilosa Sparrn.²

Sterna nubilosa Sparrman, Mus. Carls. fasc. 3, 1788, No. 63 "India Orientalis".

Sterna infuscata Licht., Verz. Doubl. Zool. Mus. Berlin, 1823, p. 81: East Indies.

Distr.—Borneo.

Java.

¹ We have a skin from Baram, Sarawak which is remarkably paler than any other bird in the collection: it is tentatively referred to *halodramus* which according to its describer occurs almost within sight of the north-east coast of Borneo.

² The occurrence of this species in Sumatra, although recorded by Vorderman needs confirmation.

***Sterna albifrons* Pall.¹**

Little Tern or Ternlet.

[*Sterna albifrons albifrons* Pall.

Sterna albifrons Pallas in Vroeg's Adumb. 1764, p. 6: Holland.

Distr.—Extra-limital.]

***Sterna albifrons sinensis* Gmel.**

Sterna sinensis Gmelin, Syst. Nat. i, pt. 2, 1789, p. 608: China.

Distr.—Malay Peninsula (both coasts but the east especially).

Borneo; Natuna Islands.

Java.

?Sumatra (Straits of Malacca).

***Sterna albifrons pusilla* Temm.²**

Sterna pusilla Temminck, Man. d'Orn., ed. 2, 1840, p. 465: Java.

Distr.—Malay Peninsula (Straits of Malacca).³

?Sumatra (Straits of Malacca, therefore almost certainly the Sumatran coast).

?Java ("apparently wintering in Java", H. C. Robinson in litt.).

***Sterna albifrons saundersi* Hume.**

Sterna saundersi Hume, Stray Feathers, v, 1877, pp. 324—6: Karachi, India.

Distr.—Malay Peninsula (Straits of Malacca).

Sumatra.

***Sterna sumatrana* Raffles.**

Black-naped Tern.

***Sterna sumatrana sumatrana* Raffles.⁴**

Sterna Sumatrana Raffles, Trans. Linn. Soc. xiii, 1822, p. 329: Sumatra.

Distr.—Malay Peninsula (both coasts); Anamba Islands.

Sumatra; Taya Island, Lingga Archipelago; West Sumatran Islands of Nias and Engano.

Borneo; Natuna Islands; Karimata Islands.

Java; Bali; Kangean Islands.

¹ See Baker, Bull. B. O. C. xlix, 1928, p. 37 and Ticehurst, *l.c.* p. 66.

² Seems to be a good race, formerly known as *gouldi* Hume (nec Reichb.), but the use of *pusilla* is perhaps not certain for it.

³ Certain specimens from the Straits of Malacca and North-east Sumatra can be plausibly referred this form.

⁴ Probably found throughout Malaysia, along all coasts and on all small islands.

Genus **ANOUS** Stephens.

Anous stolidus (Linn.). Noddy.

[**Anous stolidus stolidus** (Linn.).

Sterna stolidus Linn., Syst. Nat. 10th ed. 1758, p. 137 : West Indies.

Distr.—Extra-limital.]

Anous stolidus pileatus (Scop.).¹

Sterna pileata Scopoli, Del. Flor. et. Faun. Insubr. ii, 1786, p. 92 :
Philippine Islands.

Distr.—Malay Peninsula (Straits of Malacca); Anamba Islands;
Tambelan Islands.

Sumatra; Nias Island, West Sumatra.

Borneo; Natuna Islands.

Java; Karimon-Java Islands.

Christmas Island; Cocos-Keeling Islands.

Anous minutus Boie. White-capped Noddy.

[**Anous minutus minutus** Boie.

Anous minutus Boie, Isis, 1844, col. 188 : Australia.

Distr.—Extra-limital.]

Anous minutus worcesteri (McGreg.).

Micranous worcesteri McGregor, Phil. Journ. Sci. D. vi, 1911, p.
183 : Cavilli Island, Sulu Sea.

Distr.—Malay Peninsula (Straits of Malacca).²

? Sumatra (Straits of Malacca); Billiton.

Borneo.

Genus **GYGIS** Wagler.

Gygis alba (Sparrm.).³ White Tern.

[**Gygis alba alba** Sparrm.

Sterna alba Sparrman, Mus. Carl. i, 1786, no. xi : Ascension Island
(Mathews, 1927).

Distr.—Extra-limital.]

¹ Rare in Malayan waters near the coasts and apparently also rare on the Javan coasts. Breeds on Barren Island between Singapore and Borneo.

² The single specimen on record from Malacca (Maingay) is referred to this form purely on geographical grounds.

³ This tern is known from the Bay of Bengal, but we doubt if it ever occurs in Malayan seas. Vorderman's Sumatran record is a dubious one and the presence of the bird on the coast of Java needs confirmation.

Gygis alba monte Math.

Gygis alba monte Mathews, Birds Austr. ii, 1912, p. 443 : Seychelles.

Distr.—Sumatra.

Java.

Cocos-Keeling Islands.

Genus **LARUS** Linn.

Larus ridibundus Linn.

Black-headed or Laughing Gull.

Larus ridibundus ridibundus Linn.

Larus ridibundus Linn., Syst. Nat. 12th. ed. i, 1766, p. 225 : England.

Distr.—Singapore Straits.

***Larus brunnicephalus** Jerd.

Brown-hooded Gull.

Larus brunnicephalus Jerdon, Madr. Journ. Lit. Sci. xii, 1840, p. 225 : India.

Distr.—Peninsular Siam.

Family **PODICIPIDÆ**.

Genus **PODICEPS** Latham.

Podiceps ruficollis (Pall.).

Little Grebe.

[**Podiceps ruficollis ruficollis** (Pall.).

Colymbus ruficollis Pallas in Vroeg's Cat. Adumb. 1764, p. 6 : Holland.

Distr.—Extra-limital.]

Podiceps ruficollis philippensis (Bonn.).

Colymbus Philippensis Bonnaterre, Tabl. Encycl. Méth. i, 1790, p. 58 : Philippine Islands.

Distr.—Peninsular Siam.

Sumatra.

Borneo.

***Podiceps ruficollis vulcanorum** (Rensch).

Podiceps ruficollis vulcanorum Rensch, Journ. f. Ornith. 1929, 2, p. 205 : Lombok.

Distr.—Java; Bali.

Family HYDROBATIDÆ.

Genus **OCEANODROMA** Reichenbach.¹

Oceanodroma leucorhoa (Vieill.). Leach's Fork-tail Petrel.

[**Oceanodroma leucorhoa leucorhoa** (Vieill.).

Procellaria leucorhoa Vieillot, Nov. Dict. Hist. Nat. xxv, 1818,
p. 422: Maritime parts of Picardy.

Distr.—Extra-limital.]

Oceanodroma leucorhoa monorhis (Swinh.). Swinhoe's Petrel.

Thalassidroma monorhis Swinhoe, Ibis, 1867, p. 386: near Amoy,
China.

Distr.—Straits of Malacca; South China Sea; Java Sea.

Family PROCELLARIIDÆ.

Genus **PUFFINUS** Brisson

***Puffinus leucomelas** (Temm.).² White-fronted Shearwater.

Procellaria leucomelas Temminck, Pl. Col. 1835, pl. 587: Seas of
Japan.

Distr.—Borneo (North).

Family PLEGADIDÆ.

Genus **THRESKIORNIS** G. R. Gray.

Threskiornis æthiopicus (Lath.). White Ibis.

[**Threskiornis æthiopicus æthiopicus**.

Tantalus æthiopicus Latham, Ind. Orn. ii, 1790, p. 706: Ethiopia.

Distr.—Extra-limital.]

Threskiornis æthiopicus melanocephalus (Lath.).³

Tantalus melanocephalus Latham, Ind. Orn. ii, 1790, p. 709: India.

Ibis leucon Temm., Pl. Col. 481, 1829: Java.

Distr.—Malay Peninsula

Sumatra; Batam Island, Rhio Archipelago.

Borneo.

Java.

¹ A white-rumped species, probably a form of *Oceanites oceanicus* (Kuhl), has been observed in the Straits of Malacca.

² A form of *Puffinus* is said to breed in the Cocos-Keeling Islands.

³ Robinson (1927), excludes the species from Borneo and Sumatra, but there are well authenticated specimens from Sarawak in the Kuching Museum. We have seen it on the east coast of Sumatra. Specimens examined from Java.

Genus **PSEUDIBIS** Hodgson.

Pseudibis papillosa (Temm.).

Black Ibis.

[**Pseudibis papillosa papillosa** (Temm.).

Ibis papillosa Temm., Planch. Col. 304, 1824: India.

Distr.—Extra-limital.]

Pseudibis papillosa davisoni (Hume).

Geronticus Davisoni Hume, Stray Feathers, iii, 1875, p. 300:
Pakchan, Tenasserim

Distr.—Peninsular Siam.
Borneo.¹

Genus **THAUMATIBIS** Elliot.

Thaumatibis gigantea (Oust.).

Giant Ibis.

Ibis gigantea Oustalet, Bull. Soc. Philom. (7) i, 1877, p. 25:
Cochin China.

Distr.—Peninsular Siam.

Genus **PLEGADIS** Kaup.

***Plegadis falcinellus** (Linn.).

Glossy Ibis.

[**Plegadis falcinellus falcinellus** (Linn.).

Tantalus Falcinellus Linn., Syst. Nat. 12th ed. i, 1766, p. 241:
Austria.

Distr.—Extra-limital.]

Plegadis falcinellus peregrinus (Bp.).²

Ibis peregrina Bonaparte, Consp. Gen. Av. ii, 1855, p. 159: Java.

Distr.—Borneo.
Java.

Family **PLATALEIDÆ**.

Genus **PLATALEA** Linn.

Platalea leucorodia (Linn.).

Spoonbill.

[**Platalea leucorodia leucorodia** Linn.

Platalea Leucorodia Linn., Syst. Nat., 10th ed. 1758, p. 139:
Europe.

Distr.—Extra-limital.]

¹ Bornean records of *papillosa* we refer to *davisoni*.

² For the present we have referred all Sunda Island birds to the small eastern race but the possibility of migrants from the north (*P. f. falcinellus*) must not be overlooked. We can find no actual record for Sumatra: Dammerman records it with a query from Batam Island in the Rhio Archipelago. *P. f. peregrinus* breeds in Java.

***Platalea leucorodia regia** Gould.

Platalea regia Gould, Syn. Bds. Austr. pt. iv, 1838, App. p. 7: New South Wales.

Distr.—Borneo.

Family CICONIIDÆ.

Genus **IBIS** Lacépède.¹

Ibis cinereus (Raffles). Southern Painted Stork.

Tantalus cinereus Raffles, Trans. Linn. Soc. xiii, 1822, p. 327: Bencoolen, Sumatra.

Tantalus lacteus, Temm., Pl. Col. 352, 1825: Java.

Distr.—Malay Peninsula (north to Selangor).

Sumatra.

Java.

Ibis leucocephalus (Penn.). Painted Stork or Pelican-Ibis.

Tantalus leucocephalus Pennant, Ind. Zool. 1769, p. 11, pl. 10: Ceylon.

Distr.—Malay Peninsula (south to Selangor).

Genus **DISSOURA** Cabanis.

Dissoura episcopus (Bodd.). White-headed Stork.

Dissoura episcopus episcopus (Bodd.).²

Ardea Episcopus Boddaert, Tabl. Planch. Enlum. 1783, p. 54, 906: Coromandel Coast.

Dissoura neglecta Finsch, Orn. Mon. xii, 1904, p. 94: Java.

Distr.—Malay Peninsula (north).

Sumatra.

Java; Bali (*vis.*).

Dissoura stormi (Blas.).³ Storm's Stork.

Melanopelargus episcopus stormi W. Blasius, Mitt. Geogr. Ges. Nat. Mus. Lübeck, 1896, p. 120: Pontianak, Borneo.

Dissura mortoni O.-Grant, Bull. Brit. Orn. Cl. xiii, 1902, p. 26: Lamag, British North Borneo.

Distr.—Malay States (Perak).

Sumatra.

Borneo.

¹ Little is known about the distribution of the species of this genus in the Malay Peninsula.

² We cannot separate *D. e. neglecta*.

³ This species may only be a southern form of *D. episcopus*, but the birds look very different in the flesh and until we know more of their ranges in the Malay Peninsula and Sumatra it seems best to keep them separate.

Genus **XENORHYNCHUS** Bonaparte.**Xenorhynchus asiaticus** (Lath.). Black-necked Stork.**Xenorhynchus asiaticus asiaticus** (Lath.).*Mycteria asiatica* Latham, Ind. Orn. ii, 1790, p. 670: India.*Distr.*—Peninsular Siam.¹Genus **LEPTOPTILOS**² Lesson.**Leptoptilos javanicus** (Horsf.). Lesser Adjutant Bird.*Ciconia javanica* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 188: Java.*Ciconia capillata* Temm., Pl. Col. 312, 1824: Java.*Distr.*—Malay Peninsula.

Sumatra; Billiton.

Borneo.

Java; ? Bali.

Family **ARDEIDÆ**.Genus **ARDEA** Linn.**Ardea purpurea** Linn. Purple Heron.[**Ardea purpurea purpurea** Linn.]*Ardea purpurea* Linn., Syst. Nat. 12th ed. i, 1766, p. 236: France (*Stresemann*, 1920).*Distr.*—Extra-limital.]**Ardea purpurea manillensis** Meyen*Ardea purpurea* var. *manillensis* Meyen, Acta Acad. Leop. Carol. xvi, Suppl., 1834, p. 102: Manila, Philippine Islands.*Distr.*—Malay Peninsula.

Sumatra; West Sumatran islands of Nias and Engano.

Borneo.

Java; Bali; Kangean Islands.

Ardea sumatrana Raffles.³ Dusky-gray Heron.**Ardea sumatrana sumatrana** Raffles.*Ardea Sumatrana* Raffles, Trans. Linn. Soc. xiii, 1822, p. 325: Bencoolen, West Sumatra.*Ardea typhon* Temm., Pl. Col. 475, 1829: Sumatra (*Baker*, 1929).¹ We do not believe in the locality "Penang" (Brit. Mus.) for this species.² *Leptoptilos dubius* (Gm.), has also been recorded from Malaysia but we think in error.³ This is the "*Leptorodius gularis asha*" of Moulton's Bornean list.

ARDEIDÆ.

Ardea robusta Bp., Consp. Gen. Av. ii, 1855, p. 110: in syn. *A. typhon*.
Typhon Temminckii Reichenb., Syst. Av. Nat. 1852, p. xvi: new name
 for *A. typhon*.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Billiton; West Sumatran
 Islands of Babi, Banjak Islands and Pagi Islands.

Borneo; North Bornean islands of Banguay and Balam-
 bangan.

Java; Bali; Bawean Island.

***Ardea cinerea* Linn.**

Common Heron.

[*Ardea cinerea cinerea* Linn.

Ardea cinerea Linn., Syst. Nat. 10th ed. 1758, p. 143: Sweden.

Distr.—Extra-limital.]

***Ardea cinerea rectirostris* Gould.**

Ardea rectirostris Gould, Proc. Zool. Soc. 1843, p. 22: New South
 Wales error=South India.

Distr.—Malay Peninsula.

Sumatra.

Borneo¹.

Java.

Genus **EGRETTA** T. Forster.

***Egretta intermedia* (Wagl.).**

Smaller Egret.

***Egretta intermedia intermedia* (Wagl.).**

Ardea intermedia Wagler, Isis, 1829, p. 659: Java.

Ardea melanopus Wagl., Isis, 1829, p. 659: Java.

Distr.—Malay Peninsula.

Sumatra; Billiton; Nias Island.

Borneo.

Java; Kangean Islands; Thousand Islands.

***Egretta alba* (Linn.).**

Larger Egret.

[*Egretta alba alba* (Linn.).

Ardea alba Linn., Syst. Nat. 10th. ed. 1758, p. 144: Europe.

Distr.—Extra-limital.]

¹ We have examined a fresh specimen collected in Sarawak.

Egretta alba modesta (Gray).*Ardea modesta* J. E. Gray, Zool. Misc. 1831, p. 19: India.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Egretta eulophotes (Swinh.).

Chinese Egret.

Herodias eulophotes Swinhoe, Ibis, 1860, p. 64: Amoy, China.Distr.—Peninsular Siam.¹

Sipora, Mentawi Islands, West Sumatra.

Borneo.

Christmas Island.

Egretta garzetta (Linn.).

Little Egret.

Egretta garzetta garzetta (Linn.).*Ardea Garzetta* Linn., Syst. Nat. 12th ed. i, 1766, p. 237: "Oriente".

Distr.—Malay Peninsula.

Sumatra; Nias Island, West Sumatra.

Borneo.

Egretta garzetta nigripes (Temm.).*Ardea nigripes* Temminck, Man. d'Ord. ed. 2, iv, 1840, p. 376: Sunda Islands=Java (*Mathews*, 1927).

Distr.—Java; Bali; Kangean Islands.

Cocos-Keeling Islands.²Genus **DEMIGRETTA** Blyth.**Demigretta sacra** (Gmel.).

Reef Heron.

Demigretta sacra sacra (Gmel.).*Ardea sacra* Gmelin, Syst. Nat. i, pt. 2, 1789, p. 640: Tahiti.

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.

Sumatra; Rhio Archipelago; Lingga Archipelago (Nyamok

Islets), West Sumatran Islands of Simalur, Banjak Islands,

Nias; Mentawi Islands, Engano Billiton.

Borneo; Natuna Islands; Karimata Islands.

Java; Bali; Kangean Islands; Karimon-Java Islands.

Christmas Island; Cocos-Keeling Islands.

¹ See Hume, Stray Feathers, viii, 1879, p. 158, and Sharpe, Cat. Birds Brit. Mus., xxvi, 1898, p. 141.² We have associated birds from the above localities (except Java) with *nigripes* purely on geographical grounds: the only specimens we have seen are from the type locality.

Genus **NYCTICORAX**¹ T. Forster.**Nycticorax nycticorax** (Linn.). Night Heron.**Nycticorax nycticorax nycticorax** (Linn.).*Ardea Nycticorax* Linn., Syst. Nat. 10th ed. 1758, p. 142: South Europe.*Distr.*—Malay Peninsula.

Sumatra; Banka; Nias Island, West Sumatra.

Borneo.

Java; Kangean Islands.

Nycticorax caledonicus (Gmel.).² Australian Night Heron.**[Nycticorax caledonicus caledonicus** (Gmel.).*Ardea caledonica* Gmelin, Syst. Nat. 1, pt. 2, 1789, p. 626: New Caledonia.*Distr.*—Extra-limital.]**Nycticorax caledonicus manillensis** Vig.*Nycticorax Manillensis* Vigors, Proc. Comm. Zool. Soc. 1831, p. 98: Manila, Philippine Islands.*Distr.*—Borneo (north).***Nycticorax caledonicus hilli** Math.*Nycticorax caledonicus hilli* Mathews, Nov. Zool. xviii, 1912, p. 233: Parry's Creek, North-west Australia.*Distr.*—Cocos-Keeling Islands.Genus **GOISAKIUS**³ G. R. Gray.**Goisakius melanolopus** (Raffles). Tiger Bittern.**Goisakius melanolophus melanolophus** (Raffles).*Ardea melanolopha* Raffles, Trans. Linn. Soc. xiii, 1822, p. 326: West Sumatra.*Nycticorax limnophilax* Temm., Pl. Col. 581, 1836: Java.*Distr.*—Malay Peninsula.

Sumatra; Banka.

Borneo.

Java; Thousand Islands.

¹ Revision: Peters, Bost. Soc. Nat. Hist. 39, 1930, p. 263.² A form of this bird is said to breed in Java, but no specimens have been examined.³ Cf. Hach., Ibis 1926, p. 585; Kloss, Ibis, 1927, p. 526.

Genus **BUTORIDES**¹ Blyth.**Butorides striatus** (Linn.). Little Green Heron.[**Butorides striatus striatus** (Linn.).*Ardea striata* Linn., Syst. Nat. 10th ed. 1758, p. 144: Surinam, South America.*Distr.*—Extra-limital.]**Butorides striatus javanicus** (Horsf.).*Ardea Javanica* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 190: Java.**Butorides javanicus carcinophonus* Oberh., Journ. Wash. Acad. Sci. xiv, 1924, p. 294: Alanga Island, Maratua Group, East Borneo.*Butorides javanicus abbotti* Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 14: Langkawi Island, Straits of Malacca.*Distr.*—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Nias Island; Billiton.

Borneo; Maratua Islands; Natuna Islands.

Java; Bali; Kangean Islands; Bawean Island.

Butorides striatus sipora Chas. and Kl.*Butorides striatus sipora* Chasen and Kloss, Ibis, 1926, p. 277: Sipora Island, West Sumatra.*Distr.*—Sipora and Siberut Islands (Mentawi Islands), West Sumatra.**Butorides striatus amurensis** Schrenck.*Ardea (Butorides) virescens* var *amurensis* Schrenck, Reise Amur Lande, i, pt. 2, 1860, p. 441: Amurland.**Butorides striatus actophilus* Oberh., Smiths. Misc. Coll. lx, 7, 1912, p. 1: North Pagi Island, West Sumatra.**Butorides striatus icasopterus* Oberh., Smiths. Misc. Coll. lx, 7, 1912, p. 1: Simalur Island, West Sumatra.*Distr.*²—Malay Peninsula.

Borneo; Natuna Islands.

Java.

Christmas Island.

¹ Revisions: Oberh., Proc. U.S. Nat. Mus. xlii, 1912, p. 529; Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 14.² There is much difference of opinion concerning the Malaysian races of this heron. A long-winged form visits the sub-region in winter. The wing-range of specimens examined is 186—202 mm. which is nearer to that given for *connectens* Stres., Orn. Mon. xxxviii, 1930, p. 48 (Kwangsi) than to true *amurensis*.

Genus **ARDEOLA** Boie.**Ardeola ralloides** (Scop.).

Pond-Heron.

[**Ardeola ralloides ralloides** (Scop.).*Ardea ralloides* Scopoli, Ann. i, Hist. Nat. 1769, p. 88: Krain.*Distr.*—Extra-limital.]**Ardeola ralloides bacchus** (Bp.).¹*Buphus bacchus*, Bonaparte, Consp. Gen. Av. ii, 1855, p. 127:
Malay Peninsula.? *Cancroma leucoptera* Bodd., Tabl. Pl. Enl. 1783, p. 54: Malacca.? *Ardea malaccensis* Gmel., Syst. Nat. i, 2, 1789, p. 643: Malacca.*Distr.*—Malay Peninsula.

Borneo; Natuna Islands.

Ardeola ralloides speciosa (Horsf.).*Ardea speciosa* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 189:
Java.*Buphus pseudo-ralloides* Brehm, Naumannia, 1855, p. 290: "India
orientali" = Java.*Distr.*—Borneo.Java; Bali; Thousand Islands; Karimon-Java Islands;
Kangean Islands.²**Ardeola ibis** (Linn.).

Cattle Egret.

[**Ardeola ibis ibis** (Linn.).*Ardea Ibis* Linn., Syst. Nat. 10th ed. 1758, p. 144: Egypt.*Distr.*—Extra-limital.]**Ardeola ibis coromanda** (Bodd.).*Cancroma Coromanda* Boddaert, Tabl. Pl. Enlum. 1783, p. 54:
Coromandel Coast.*Ardea affinis* Horsf., Trans. Linn. Soc. xiii, 1821, p. 189: Java.*Distr.*—Malay Peninsula; Anamba Islands.

Sumatra.

Borneo.

Java; Bali.

¹ Probably visits Sumatra: has been recorded from the Andamans and "*leucoptera*" is recorded from Nias Island, West Sumatra. It is impossible to say what this latter is. We cannot distinguish between *bacchus* and *grayi* in winter, or immature plumage and as all birds of this genus in breeding, or moulting plumage, examined by us from the Malay Peninsula are *bacchus*, *grayi* is omitted from the list. A specimen of *speciosa* said to be from Singapore, is in the Berlin Museum but the provenance is doubtful.

² There seems to be no trustworthy record for Sumatra. See Salomonson, Bull. Mus. Hist. Nat. Paris, 1929, p. 347.

Genus **IXOBRYCHUS** Billberg.**Ixobrychus sinensis**¹ (Gmel.). Yellow Bittern.**Ixobrychus sinensis sinensis** (Gmel.).*Ardea Sinensis* Gmelin, Syst. Nat. i, pt. 2, 1789, p. 642: China.*Ardea lepida* Horsf., Trans. Linn. Soc. xiii, 1821, p. 190: Java.

Distr.—Malay Pensinsula.

Sumatra; Nias Island, West Sumatra; Billiton.

Borneo; Natuna Islands.

Java; Bali; Karimon-Java Islands.

Ixobrychus cinnamomeus (Gmel.) . Chestnut Bittern**Ixobrychus cinnamomeus cinnamomeus** (Gmel.).*Ardea cinnamomea* Gmelin, Syst. Nat. i, pt. 2, 1789, p. 643: China.*Ardea nebulosa* Horsf., Trans. Linn. Soc. xiii, 1821, p. 190: Java.*Botaurus assimilis* Brehm, Isis, 1842, p. 582: Java.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java; Bali; Kangean Islands.

Ixobrychus eurhythmus (Swinh.). Schrenck's Bittern.*Ardetta eurhythma* Swinhoe, Ibis, 1873, p. 74, pl. 2: Amoy, South China.

Distr.—Malay States.

Sumatra.

Borneo.

Java; Mata Siri Island, Java Sea; Karimon-Java Islands.

Genus **DUPETOR** Heine and Reichenow.**Dupetor flavicollis** (Lath.). Black Bittern.**Dupetor flavicollis flavicollis** (Lath.).*Ardea flavicollis* Latham, Ind. Orn. ii, 1790, p. 701: India.*Ardea picata* Raffles, Trans. Linn. Soc. xiii, 1822, p. 326: Sumatra.*Ardea bilineata* Less., Traité d'Orn. 1831, p. 574: Java.

Distr.—Malay Peninsula.

Sumatra; Nias Island, West Sumatra.

Borneo.

Java.

¹ Revision: Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 17.

Genus **BOTAURUS** Stephens.

Botaurus stellaris (Linn.).

Bittern.

Botaurus stellaris stellaris Linn.

Ardea stellaris Linn., Syst. Nat. 10th ed. 1758, p. 144: Sweden.

Distr.—Malay Peninsula.
Borneo.

Family **ANATIDÆ**.

Genus **ASARCORNIS** Salvadori.

Asarcornis scutulata (Müll.).¹

White-winged Wood-Duck.

Anas scutulata S. Müller, Verh. Nat. Gesch. Land u. Volk. 1842,
p. 159: Java.

Distr.—Malay Peninsula.
Sumatra.
Java.

Genus **NETTAPUS** Brandt.

Nettapus coromandelianus (Gmel.).

Cotton Teal.

Nettapus coromandelianus coromandelianus (Gmel.).

Anas coromandeliana Gmelin, Syst. Nat. i, pt. 2, 1789, p. 522:
Coromandel, India.

Distr.—Malay Peninsula.
Sumatra; Rhio Archipelago; Banka.
Borneo.
Java.

Genus **DENDROCYGNA** Swainson.

Dendrocygna javanica (Horsf.)

Whistling Teal.

Dendrocygna javanica javanica (Horsf.).

Anas javanica Horsfield, Trans. Linn. Soc. xiii, 1821, p. 200: Java.

Distr.—Malay Peninsula.
Sumatra.
Borneo.
Java; Kangean Islands.

¹ The status of birds occurring in Java and Sumatra seems uncertain. Specimens in the Raffles Museum from Korinchi, Sumatra seem to be domesticated hybrids, but free-flying birds certainly occur in Sumatra although we cannot say if in colour they show signs of domestication. If Müller's types are crossbred ducks this species should be known as *A. leucoptera* Blyth (Tenasserim).

Dendrocygna javanica arcuata (Horsf.).

Anas arcuata Horsfield, Zool. Res. in Java, 1824, pl. 65 and text :
Java.

Distr.—Sumatra (South); ? Nias Island, West Sumatra.
Borneo.
Java; Bali.

Genus **ANAS** Linn.

Anas platyrhynchos Linn.

Mallard.

***Anas platyrhynchos platyrhynchos** Linn.

Anas platyrhynchos Linn., Syst. Nat. 10th ed. 1758, p. 125 :
Sweden.

Distr.—Borneo.

Anas superciliosa Gmel.

Australian Wild Duck.

[**Anas superciliosa superciliosa** Gmel.

Anas superciliosa, Gmelin, Syst. Nat. i, pt. 2, 1789, p. 537 : New
Zealand.

Distr.—Extra-limital.]

Anas superciliosa percna Riley.

Anas superciliosa percna Riley, Proc. Biol. Soc. Wash. xxxii, 1919,
p. 93 : Celebes.

Distr.—Sumatra.
Java; Bali; Kangean Islands.

***Anas penelope** Linn.

Wigeon.

Anas Penelope Linn., Syst. Nat. 10th ed. 1758, p. 126 : Sweden.

Distr.—Borneo.

Anas crecca Linn.

Teal.

Anas crecca crecca Linn.

Anas Crecca Linn., Syst. Nat. 10th ed. 1758, p. 125 : Sweden.

Distr.—Malay Peninsula.

Anas querquedula Linn.

Garganey.

Anas Querquedula Linn., Syst. Nat. 10th ed. 1758, p. 126 :
Sweden.

Anas (Querquedula) humeralis Müll., Verh. Nat. Gesch. Land en Volk.
1842, p. 159 : Java.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Anas gibberifrons S. Müll.¹ Wood-Teal.

Anas gibberifrons gibberifrons S. Müll.

Anas (Mareca) gibberifrons S. Müller, Verh. Nat. Gesch. Land en Volk. 1842, p. 159: Celebes.

Distr.—Java.

Christmas Island.

Anas acuta Linn. Pintail.

***Anas acuta acuta** Linn.

Anas acuta Linn., Syst. Nat. 10th ed. 1758, p. 126: Sweden.

Distr.—Borneo.

Genus **SPATULA** Boie.

Spatula clypeata (Linn.). Shoveller.

Anas clypeata Linn., Syst. Nat. 10th ed. 1758, p. 124: Sweden.

Distr.—Malay Peninsula.

Borneo.

Genus **NYROCA** Fleming.

***Nyroca fuligula** (Linn.). Tufted Duck.

Anas Fuligula Linn., Syst. Nat. 10th ed. 1758, p. 128: Sweden.

Distr.—? Malay Peninsula.

Borneo.

Family **PHALACROCORACIDÆ**.

Genus **PHALACROCORAX** Brisson.

Phalacrocorax carbo (Linn.). Cormorant.

[**Phalacrocorax carbo carbo** (Linn.).

Pelecanus Carbo Linn., Syst. Nat. 10th ed. 1758, p. 133: Europe.

Distr.—Extra-limital.]

Phalacrocorax carbo sinensis (Blum.).

Pelecanus sinensis J. F. Blumenbach, Abb. Nat. Gegen. No. 25, 1798: China.

Distr.—Malay Peninsula.

Sumatra.

¹ Ducks reported as occurring in the Cocos-Keeling Islands are perhaps of this species.

Phalacrocorax sulcirostris (Brandt). Little Black Cormorant.

[**Phalacrocorax sulcirostris sulcirostris** (Brandt).]

Carbo sulcirostris Brandt, Bull. Sci. Imp. Acad. Sci. St. Petersburg, iii, 1837, p. 56: New South Wales.

Distr.—Extra-limital.]

Phalacrocorax sulcirostris territorii (Math.).¹

Mesocarbo ater territorii Mathews, Birds Austr. iv, 1915, p. 176: Northern Territory of Australia.

Distr.—Borneo.
Java.

Phalacrocorax niger (Vieill.). Little Cormorant.

Hydrocorax niger Vieillot, Nouv. Dict. d'Hist. Nat. viii, 1817, p. 88: Bengal.

Carbo javanica Horsf., Trans. Linn. Soc. xiii, 1821, p. 197: Java.

Distr.—Malay Peninsula.
? Nias Island, West Sumatra.
Borneo.
Java.²

Phalacrocorax melanoleucos (Vieill.). Pied Cormorant.

[**Phalacrocorax melanoleucos melanoleucos** (Vieill.).]

Hydrocorax melanoleucos Vieillot, Nouv. Dict. d'Hist. Nat. viii, 1817, p. 88: New South Wales.

Distr.—Extra-limital.]

***Phalacrocorax melanoleucos melvillensis** (Math.).

Carbo melanoleucos melvillensis Mathews, Austr. Av. Rec. i, 1912, p. 74: Melville Island, Northern Territory, Australia.

Distr.—Bali.

Family ANHINGIDÆ.

Genus **ANHINGA** Brisson.

Anhinga rufa (Lacép. and Daud.). Darter or Snake Bird.

[**Anhinga rufa rufa** (Lacép. and Daud.).]

Plotus rufus Lacépède and Daudin, Buffon Hist. Nat. ed. Didot, Quadr. xiv, 1802, p. 319: Senegal.

Distr.—Extra-limital.]

¹ Breeding birds examined but no comparison of subspecies possible.

² Peters includes Sumatra in the range of this species but we know of no reliable record from that island.

Anhinga rufa melanogaster Pennant.

Anhinga melanogaster Pennant, Ind. Zool. 1769, p. 13, pl. 12 : Ceylon.

Distr.—Malay States,¹; Langkawi Islands.

Sumatra.

Borneo.

Java.

Family SULIDÆ.

Genus SULA Brisson.

Sula dactylatra Less.

Masked Gannet.

[*Sula dactylatra dactylatra* Less.

Sula dactylatra Lesson, Traité d'Orn. 1831, p. 601 : Ascension Island, Atlantic Ocean.

Distr.—Extra-limital.]

Sula dactylatra bedouti Math.²

Sula dactylatra bedouti Mathews, Austr. Av. Rec., i, 1913, p. 189 : Bedout Island, South-west Australia.

Distr.—Coast of Sarawak.

Java.

Christmas Island, Indian Ocean.

Sula abbotti Ridgw.

Abbott's Gannet.

Sula abbotti Ridgway, Proc. U.S. Nat. Mus. xvi, 1893, p. 599 : Assumption Island, Indian Ocean.

Distr.—Christmas Island; Cocos-Keeling Islands.

Sula leucogaster (Bodd.).³

Booby or Brown Gannet.

[*Sula leucogaster leucogaster* (Bodd.).

Pelecanus Leucogaster Boddaert, Tabl. Pl. Enl. 1783, p. 57 : Cayenne.

Distr.—Extra-limital.]

¹ Almost certain to occur in Peninsular Siam.

² Little is known of the distribution of *S. dactylatra* in Malaysia. Records from Java and Sumatra may refer to *S. abbotti*. Christmas Island is here included because Mathews (1927) specifically extends the range of his *S. d. bedouti* to that island whence we have only seen *S. abbotti*. A form of the species identified by Bangs as *S. d. personata* breeds in the Sulu Sea : some authors suggest that *bedouti* is inseparable from *personata*. The only specimens we have seen from Malaysia are from the coast of Sarawak.

³ Cf. Rob. and Kinn., Bull. B. O. C. xlviii, 1928, p. 63.

Sula leucogaster plotus (Forst.).¹

Pelecanus Plotus Forster, Descr. Anim. ed. Licht., 1844, p. 278 :
near New Caledonia.

Distr.—Malay Peninsula (both coasts).

Sumatra.

Borneo; Tiga Island, North-west Coast of Borneo.

Java.

Christmas Island; Cocos-Keeling Islands

Sula sula (Linn.).

Red-footed Gannet.

[**Sula sula sula** (Linn.).

Pelecanus Sula Linn., Syst. Nat. 12th ed., i, 1766, p. 218 : Barbados,
West Indies.

Distr.—Extra-limital.]

Sula sula rubripes Gould.

Sula rubripes Gould, Synops. Birds Austr. pt. iv, 1838, App. p. 7 :
Australia.

Distr.—Pagi Islands, West Sumatra.

Coast of North Borneo.

Java; Bali.

Christmas Island; Cocos-Keeling Islands.

Family FREGATIDÆ.²

Genus **FREGATA** Lacépède.

Fregata andrewsi³ Math.

Andrews' Frigate Bird.

Fregata andrewsi Mathews, Austr. Av. Rec. ii, 1914, p. 120 :
Christmas Island, Indian Ocean.

Distr.—Anamba Islands.

? Small islands near Billiton ("aquila").

Coast of Sarawak.

Java.

Christmas Island; Cocos-Keeling Islands.

¹ We rather doubt if it is correct to place all Malaysian birds under one sub-species.

² Revisions ; Lowe, Nov. Zool. xxxi, 1924, p. 299 ; Chas. and Kl., Journ. Mal. Br. Roy. Asiat. Soc. ii, 1924, p. 62.

³ A specimen of *F. aquila* said to be from the Straits of Malacca is in the British Museum. We believe that a mistake in labelling has occurred.

Fregata ariel (G. R. Gray). Lesser Frigate Bird.

Fregata ariel ariel (G. R. Gray).¹

Atagen Ariel G. R. Gray, List. Gen. Birds, iii, 1845, p. 669, pl. 183: Raine Island, North Queensland.

Distr.—Malay Peninsula (both coasts); Tioman Archipelago; Anamba Islands.

Sumatra (Straits of Malacca near the Aroa Islands).

Coast of Sarawak; Labuan; Balambangan Island, North Borneo; Maratua Islands; Karimata Islands.

Java; Kangean Islands.

Cocos-Keeling Islands.

Fregata minor (Gmel.). Frigate Bird.

Fregata minor minor (Gmel.).

Pelecanus minor Gmelin, Syst. Nat. i, pt. 2, 1789, p. 572: Christmas Island, Indian Ocean.

Fregata minor listeri Mathews, Austr. Av. Rec. ii, 1914, p. 119: Christmas Island, Indian Ocean.

Distr.—Coast of Sarawak²; Sulu Sea.

Java; Bawean Island.

Christmas Island.

Family PHAETHONTIDÆ.

Genus PHAËTHON Linn.

Phaëthon rubricauda Bodd. Red-tailed Tropic Bird.

[**Phaëthon rubricauda rubricauda** Bodd.

Phaeton rubricauda Boddaert, Tabl. Pl. Enl. 1783, p. 57: Mauritius.

Distr.—Extra-limital.]

Phaëthon rubricauda westralis Math.

Phaëthon rubricauda westralis Mathews, Austr. Av. Rec. i, 1912, p. 88: West Australia.

Distr.—Christmas Island; ? Cocos-Keeling Islands.³

¹ A frigate bird is also found far inland on Korinchi Lake, West Sumatra. Dr. P. R. Lowe lists birds from the Cocos-Keeling Islands as *F. ariel* subsp. We have never seen specimens from that locality. Has also been recorded from Christmas Island but we doubt if the bird occurs there and suspect a mistake in labelling.

² Formerly, but I think wrongly, identified by Mr. C. Boden Kloss and myself as *F. m. aldabrensis* Maths.

³ *P. rubricauda* is included in Vorderman's Sumatran list without sufficient authority.

Phaëthon lepturus Daud. White-tailed Tropic Bird

***Phaëthon lepturus lepturus** Daud.

Phaëthon lepturus Daudin, Buffon's Hist. Nat. ed. Didot, Quadr. xiv, 1802, p. 319: Mauritius.

Distr.—? Cocos-Keeling Islands.¹

Phaëthon lepturus fulvus Brandt. Christmas Island Tropic Bird.

Phaëthon fulvus Brandt, Mém. Acad. Imp. Sci. St. Petersburg. (6) 5, 1840, p. 269: No type loc. = Christmas Island, Indian Ocean.

Phaëthon flavo-aurantius Laur., Ann. Lyc. N. York, vii, 1862, p. 142: Typ. loc. unknown = Christmas Island, Indian Ocean.

Distr.—Christmas Island, Indian Ocean; Cocos-Keeling Islands.

Phaëthon æthereus Linn. Short-tailed Tropic Bird.

[**Phaëthon æthereus æthereus** Linn.

Phaëthon æthereus Linn., Syst. Nat. 10th ed. 1758, p. 134: Ascension Island.

Distr.—Extra-limital.]

Phaëthon æthereus indicus Hume.

Phaeton indicus Hume, Stray Feathers, iv, 1876, p. 481: Mekran Coast.

Distr.—Straits of Malacca.

Family PELECANIDÆ.

Genus PELECANUS Linn.

Pelecanus onocrotalus Linn.² White Pelican.

Pelecanus Onocrotalus Linn., Syst. Nat. 10th ed. 1758, p. 132: Caspian Sea, Russian Asia.

Pelecanus javanicus Horsf., Trans. Linn. Soc. xiii, 1821, p. 197: Java.

Distr.—Malay Peninsula.

Sumatra.

Java.

¹ There is some confusion about the forms of *Phaëthon* found in the Cocos-Keeling Islands. Ogilvie-Grant (Cat. Birds Brit. Mus. xxvi, 1898, p. 454) placed Nicholson's record (Ibis, 1882, p. 70) of "*P. candidus*" relating to a specimen obtained by Forbes in the Cocos-Keeling Islands, under *P. lepturus*, but wrongly quoted Java as the locality. Wood-Jones (P.Z.S. 1909, p. 141) however, records the Cocos breeding bird as *rubricauda*, but judging from a photograph given to me by Mr. C. Clunies Ross, the former author's view seems correct.

² In our treatment of the pelicans we have followed Messrs. C. H. B. Grant and C. W. Mackworth-Praed, 1934.

PELECANIDÆ.—ÆGYPIIDÆ.

- Pelecanus roseus** Gmel.¹ Spotted-billed Pelican.
Pelecanus roseus Gmelin, Syst. Nat. i, pt. 2, 1789, p. 570: Manila,
 Philippine Islands.
Distr.—Malay Peninsula.
 Sumatra.
 Java.

Family ÆGYPIIDÆ.

Genus GYPS Savigny.

- Gyps indicus** (Scop.). Long-billed Vulture.
 [**Gyps indicus indicus** (Scop.).
Vultur indicus Scopoli, Del. Flor. et Faun. Insubr. ii, 1786, p. 85:
 Pondicherry.
Distr.—Extra-limital.]
Gyps indicus nudiceps Baker.
Gyps indicus nudiceps Stuart Baker, Bull. B.O.CI. xlvii, 1927,
 p. 151. New name for *G. tenuirostris* Hume: Nepal.
Distr.—Malay States.²

Genus PSEUDOGYPS Sharpe.

- Pseudogyps bengalensis** (Gmel.). White-backed Vulture.
Vultur bengalensis Gmelin, Syst. Nat. i, 1788, p. 245: Bengal.
Distr.—Malay Peninsula.³

Genus TORGOS Kaup.

- Torgos calvus** (Scop.). King Vulture.
Vultur calvus Scopoli, Del. Flor. et Faun. Insubr. ii, 1786, p. 85:
 Pondicherry.
Distr.—Malay Peninsula.⁴

¹ Replaces *P. philippensis* Gmel.

² Although *nudiceps* occurs as far south as Perak and is almost without doubt therefore found in Peninsular Siam we can find no record for that territory.

³ Now only found as far south as Perak, but formerly extending further down the Malay Peninsula perhaps even to Singapore whence, however, there are only some old visual records.

⁴ South to Perak, but formerly further down the Peninsula.

Genus **NEOPHRON** Savigny.

Neophron percnopterus (Linn.). Egyptian or White Vulture.

[**Neophron percnopterus percnopterus** (Linn.).

Vultur Perenopterus Linn., Syst. Nat. 10th ed. 1758, p. 87 : Egypt.

Distr.—Extra-limital.]

***Neophron percnopterus ginginianus** (Lath.).

Vultur ginginianus Latham, Ind. Orn. i, 1790, p. 7 : Coromandel.

Distr.—Peninsular Siam.¹

Family **FALCONIDÆ**.

Genus **CIRCUS** Lacépède.²

Circus æruginosus (Linn.).

Marsh Harrier.

Circus æruginosus æruginosus Linn.

Falco æruginosus Linn., Syst. Nat. 10th ed. 1758, p. 91 : Sweden.

Distr.—Malay Peninsula.

Sumatra.

Circus spilonotus Kaup.

Eastern Marsh Harrier.

Circus spilonotus spilonotus Kaup.

Circus spilonotus Kaup, Isis, 1847, p. 953 : East Siberia.

Distr.—Malay States.³

Borneo.

Circus melanoleucus (Penn.).

Pied Harrier.

Falco melanoleucus Pennant, Ind. Zool. 1769, p. 12, pl. ii, Ceylon.

Distr.—Malay Peninsula.

Borneo.

Genus **ACCIPITER** Brisson.

Accipiter trivirgatus (Temm.).

Crested Goshawk.

Accipiter trivirgatus trivirgatus (Temm.).

Falco trivirgatus Temm., Pl. Col. 303, 1824 : Sumatra.

Astur anceps Bp., Consp. Gen. Av. i, 1850, p. 31 : as syn. of *trivirgatus*.

Distr.—Sumatra; Nias Island, West Sumatra.

Borneo.

Java.

¹ According to Dr. W. L. Abbott extends to Penang but we have never seen it there.

² We regard Kelham's record of *C. pygargus* ("*cineraceus*") from the Malay States as too uncertain for inclusion.

³ Almost certainly occurs in Peninsular Siam.

Accipiter trivirgatus indicus (Hodgs. or Pear.).¹

Astur indicus Hodgson or Pearson, Bengal Sporting Mag. vii, 1836,
p. 177: India.

Distr.—Malay Peninsula.
North Natuna Islands.

Accipiter badius (Gmel.). Shikra.

[**Accipiter badius badius** (Gmel.).

Falco badius Gmelin, Syst. Nat. i, pt. 1, 1788, p. 280: Ceylon.

Distr.—Extra-limital.]

Accipiter badius poliopsis (Hume).

Micronisus poliopsis Hume, Stray Feathers ii, 1874, p. 325: North
Pegu.

Distr.—Malay Peninsula.²
Sumatra.

Accipiter soloënsis (Horsf.). Chinese Goshawk.

Falco Soloënsis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 137:
Central Java.

Falco cuculoides Temm., Pl. Col. 110 and 129, 1822: West Java.

Distr.—Malay Peninsula.
Sumatra; West Sumatran Islands of Simalur and Nias.
Borneo.
Java; Thousand Islands, Java Sea.

Accipiter fasciatus³ (Vig. and Horsf.). Australian Goshawk.

[**Accipiter fasciatus fasciatus** (Vig. and Horsf.).

Astur Fasciatus Vigors and Horsfield, Trans. Linn. Soc. xv, 1827,
p. 181: New South Wales.

Distr.—Extra-limital.]

Accipiter fasciatus natalis (Lister). Christmas Island Goshawk.

Urospizias natalis Lister, Proc. Zool. Soc. for 1888, p. 523:
Christmas Island.

Distr.—Christmas Island, Indian Ocean.

¹ Judging from published measurements birds from the Malay Peninsula are rather smaller than typical *indicus*: they are certainly not the smaller and brighter *t. trivirgatus* and should perhaps be indicated by *trivirgatus* > *indicus*.

² The provenance of "Singapore" specimens is a little doubtful. Buttiköfers "*poliopsis*" from Nias is stated to have the cere yellow and is therefore probably *A. soloënsis*.

³ See Stres., Journ. f. Orn. 1925, p. 319.

FALCONIDÆ.

Accipiter virgatus (Temm.).

Small Sparrow-Hawk.

Accipiter virgatus virgatus (Temm.).

Falco virgatus "Reinw." Temminck, Pl. Col. 109, 1823, : Java.

Accipiter rufotibialis Sharpe, Ibis, 1887, p. 437 : Mt. Kinabalu, North Borneo.

Distr.—Malay States.

Sumatra.¹

Borneo.

Java; Bali.

Accipiter virgatus gularis (Temm. and Schleg.).

Astur (Nisus) gularis Temminck and Schlegel, Faun. Japon. Aves, 1844, p. 5, pl. 2 : Japan.

?*Accipiter nisoides* Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p. 727 : Malacca.²

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Billiton.

Borneo; North Natuna Islands.

Java.

Accipiter nisus (Linn.).

Sparrow-Hawk.

[**Accipiter nisus nisus** (Linn.).

Falco Nisus Linn., Syst. Nat. 10th ed. 1758, p. 92 : Sweden.

Distr.—Extra-limital.]

Accipiter nisus nisosimilis (Tick.).

Falco Nisosimilis Tickell, Journ. Asiat. Soc. Bengal, ii, 1833, p. 571 : Borabham, Bengal.

Distr.—Borneo.³

Genus BUTEO Lacépède.

Buteo burmanicus Hume.

Desert-Buzzard.

Buteo burmanicus burmanicus Hume.

Buteo burmanicus Hume, Stray Feathers, iii, 1875, p. 30 : Thayetmyo, Burma.

Distr.—Malay States.

¹ "*virgatus*" has also been recorded from the West Sumatran Islands of Simalur, Lasia, Siumat, and Nias, but as in all these localities the migratory *gularis* no doubt occurs the identifications are not certain.

² *A. nisoides* is more likely to apply to a migratory form than to a resident race which, in the Malay Peninsula, would probably only be obtained in the mountains of the interior. Swann's remarks in Mon. Bds. Prey, 1926, p. 327 concerning *A. affinis* in the Malay Peninsula and Borneo seem to refer to *A. v. gularis* : South-west Siam appears to be the southern limit of *affinis*. Wintering adults taken in the Malay Peninsula are very variable in colour. Most males are inseparable from Japanese birds, but paler individuals may be referable to *A. v. stevensoni* Gurney.

³ A female in the Sarawak Museum, taken at Kuching, Sarawak on 30th March, 1895, makes a noteworthy extension of range for this species.

Genus **HIERAAËTUS**¹ Kaup.**Hieraaëtus pennatus** (Gmel.). Booted Eagle.**Hieraaëtus pennatus pennatus** (Gmel.).²*Falco pennatus* Gmelin, Syst. Nat. i, pt. 1, 1788, p. 272: Spain
(Stuart Baker, 1930).*Distr.*—Malay States.**Hieraaëtus kienerii** (E. Geoff.). Rufous-bellied Hawk-Eagle.**[Hieraaëtus kienerii kienerii** (E. Geoff.).*Astur Kienerii* G. S. [=E. Geoffroy], Mag. Zool. 1835, cl. 2, pl.
35: Himalayas.*Distr.*—Extra-limital.]**Hieraaëtus kienerii formosus** Stres.*Hierraëtus kieneri formosus* Stresemann, Orn. Monatsb. xxxii,
1924, p. 108: Celebes.*Distr.*—Malay States.

Sumatra.

Borneo.

Java.

Genus **ICTINAËTUS** Blyth.**Ictinaëtus malayensis** (Temm.).³ Black Eagle.*Falco malayensis* Temminck, Pl. Col. 117, 1824: Java.*Distr.*—Malay Peninsula.

Sumatra; Nias Island, West Sumatra; Billiton.

Borneo.

Java; Bali.

Genus **SPIZAËTUS** Vieillot.**Spizaëtus cirrhatus**⁴ (Gmel.). Changeable Hawk-Eagle.**[Spizaëtus cirrhatus cirrhatus** (Gmel.).*Falco cirrhatus* Gmelin, Syst. Nat. 1, 1788, p. 274: India.*Distr.*—Extra-limital.]¹ Revisions: Stres., Journ. f. Orn. lxxii, 1924, p. 432; Orn. Monatsber, 1924, p. 108; Chas. and Kl., Journ. Siam Soc. (Nat. Hist. Suppl.) vii, 1928, p. 162.² A very rare bird in the Malay Peninsula.³ *Perniger* Hodgs. from Nepal seems unrecognizable. Doherty is responsible for the Bali record, but his specimen does not appear to have been critically examined.⁴ Cf. Stres., Journ. f. Orn. lxxii, 1924, p. 430.

Spizaëtus cirrhatus limnæetus Horsf.

Falco Limnæetus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 138 : Java.

Falco caligatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 278 : Sumatra.

Falco niveus Temm., Pl. Col. 127, 1823 : Java.

Limnaëtus horsfieldii Vig., Mem. Raffles, 1830, p. 649 : new name for *limnæetus*.

Distr.—Malay Peninsula.

Sumatra; Pagi Islands, West Sumatra.

Borneo.

Java.

Spizaëtus nipalensis¹ (Hodgs.).

Hodgson's Hawk-Eagle.

Spizaëtus nipalensis nipalensis (Hodgs.).

Nisaëtus Nipalensis Hodgson, Journ. Asiat. Soc. Bengal, v, 1836, p. 229 : Nepal.

Distr.—Peninsular Siam.

Spizaëtus nipalensis alboniger (Blyth).

Blyth's Hawk-Eagle.

Nisaëtus alboniger Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 173 : Malacca.

Spizaëtus borneonensis Gray, Cat. Acciptr. 1848, p. 16 : Borneo.

Spizaëtus nanus Wall., Ibis, 1868, p. 14, pl. 1 : Borneo.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Banjak Islands and Nias Island, West Sumatra.

Borneo.

***Spizaëtus nipalensis bartelsi** Stres.

Spizaëtus nipalensis bartelsi Stresemann, Journ. f. Orn. lxxii, 1924, p. 431 : West Java.

Distr.—Java.²

Genus **CIRCAËTUS** Vieillot.**Circaëtus gallicus** (Gmel.).

Short-toed Eagle.

***Circaëtus gallicus gallicus** (Gmel.).

Falco gallicus Gmelin, Syst. Nat. i, pt. 1, 1788, p. 259 : France.

Distr.—Malay States.

¹ Cf. Stres., Journ. f. Orn. lxii, 1924, p. 432.

² Swann has suggested that the Javan and Bornean sub-species are inseparable in which case other names, now quoted as synonyms of *alboniger*, would have priority over *bartelsi*, but Swann's figures for the wing-length of typical *alboniger* are too small (our males run up to 348 mm. which is also about the maximum for the Bornean birds we have seen): we have never seen a bird from Borneo as large as the type of *bartelsi*, 358 mm. in wing-length.

Genus **SPILORNIS**¹ G. R. Gray.**Spilornis cheela**² (Lath.).

Serpent Eagle.

[**Spilornis cheela cheela** (Lath.).*Spilornis Cheela* Latham, Ind. Orn. i, 1790, p. 14 : Lucknow, India.*Distr.*—Extra-limital.]**Spilornis cheela bassus** (Forst.).*Falco Bassus* J. R. Forster, in Levaillant, Naturg. Afr. Vög. 1798, p. 55, pl. 15 : Africa error=Sumatra.*Falco bacha* Daudin, Traité d'Orn. ii, 1800, 43 : the same.*Spilornis cheela malayensis* Swann, Syn. List. Accip. 1920, p. 83 : Raub, Pahang, Malay States.*Distr.*—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago.

Spilornis cheela pallidus Wald.³*Spilornis pallidus* Walden, Ibis, 1872 : p. 363 : Sarawak.*Spilornis raja* Sharpe, Bull. B. O. Cl. i, 1893, p. 55 : Sarawak.? *Spilornis cheela richmondi* Swann, Syn. List. Accip. 1922, p. 135 : South-west Borneo.*Distr.*—Borneo (lowlands).**Spilornis cheela kinabaluensis** Scl.*Spilornis cheela kinabaluensis* W. L. Sclater, Bull. B.O.Cl. xl, 1919, p. 37 : Mt. Kinabalu, British North Borneo.*Distr.*—The mountains of North Borneo.**Spilornis cheela bido** (Horsf.).*Falco bido* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 137 : Java.*Distr.*—Java; Bali.***Spilornis cheela baweanus** Oberh.*Spilornis bassus baweanus* Oberholser, Proc. U.S. Nat. Mus. lli, 1917, p. 185 : Bawean Island.*Distr.*—Bawean Island.¹ There seems to be some doubt as to whether or not *Hæmatornis* Gould antedates *Hæmatornis* Vigors (March, 1832) the use of which for this genus is invalidated by *Hæmatornis* Swains. (Feb. 1832).² Revision : Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 19.³ A thin race standing on average small size and pale colour only. North of the Baram River it is probably not separable from *bassus* : birds agreeing with *richmondi* occur in Sarawak. *S. raja* is merely an immature bird of *pallidus* : the type and unique specimen has been regarded as representing a Bornean race of *rufippectus* of Celebes.

Spilornis cheela natunensis Chas.

Spilornis cheela natunensis Chasen, Bull. Raffles Mus. ix, 1934, p. 93 : Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

Spilornis cheela abbotti Richm.

Spilornis abbotti Richmond, Proc. U.S. Nat. Mus., xvi, 1903, p. 492 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

Spilornis cheela salvadorii Berl.

Spilornis cheela salvadorii, Berlepsch, Nov. Zool. ii, 1895, p. 73 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Spilornis cheela sipora Chas. and Kloss.

*Spilornis elgini sipora*¹ Chasen and Kloss, Ibis, 1926, p. 278, pl. 3 : Sipora Island, West Sumatra.

Distr.—Sipora Island, Mentawi Group, West Sumatra.

Genus **BUTASTUR** Hodgson.***Butastur liventer** (Temm.). Fulvous-winged Buzzard-Eagle.

Falco liventer Temminck, Pl. Col. 438, 1827 : Celebes.

Falco pallidus Lesson, Traité d'Orn. 1830, p. 82 : Java.

Distr.—Borneo.²

Java.

Butastur indicus (Gmel.).

Grey-faced Buzzard-Eagle.

Falco indicus Gmelin, Syst. Nat. i, pt. 1, 1788, p. 264 : Java.

Buteo (Butastur) fasciatus Hay, Madr. Journ. Lit. Sci. xiii, pt. 2, 1845, p. 146 : Malacca.

Astur barbatus Eyton, Ann. Mag. Nat. Hist. xvi, 1846, p. 227 : Malay Peninsula.

Distr.—Malay Peninsula.

Borneo.

Java.

¹ A serpent-eagle also occurs in the Pagi Islands, West Sumatra. I now think that Kloss and I were wrong in linking this race to *S. elgini*.

² The evidence for the occurrence of this species in Borneo is very slight, but as it occurs in Celebes we have retained it in the Bornean list for the present.

FALCONIDÆ.

Genus **HALIÆETUS** Savigny.¹

Halæetus leucogaster (Gmel.). White-bellied Sea-Eagle.

Falco leucogaster Gmelin, Syst. Nat. i, pt. i, 1788, p. 257: Java (Hart. 1902).

Haliaetus fulviventris Vieill., Nouv. Dict. d' Hist. Nat. ed. 2, xxviii, 1819, p. 283: Java.

Falco dimidiatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 277: Sumatra.

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.

Sumatra; Rhio Archipelago; West Sumatran Islands of Simalur, Banjak group, Nias and Mentawi group.

Borneo; North Bornean Islands; North Natuna Islands; Maratua group; Karimata Islands.

Java; Thousand Islands; Bali; Karimon-Java Islands; Kangean Islands.

Genus **ICTHYOPHAGA** Lesson.

Ichthyophaga ichthyætus (Horsf.). Larger Fishing-Eagle.

Ichthyophaga ichthyætus ichthyætus (Horsf.).

Falco Ichthyætus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 236: Java.

Pandion Horsfieldii Selby, Cat. Gen. Sub-gen. Types Aves, 1840, p. 2: new name.

Ichthyætus bicolor Gray, List. Gen. Birds, 2nd ed., 1841, p. 4: new name.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Taya Island, Lingga Archipelago (*viz.*).

Borneo.

Java.

Ichthyophaga nana (Blyth.). Smaller Fishing-Eagle.

Ichthyophaga nana nana (Blyth.).

Ichthyætus nanus Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 202: Singapore Island.

Falco (Pandion) humilis S. Müll., Verh. Nat. Gesch. Land en Volk. 1845, pp. 471, 48, pl. 6: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Genus **HALIASTUR** Selby

Haliastur indus (Bodd.).

Brahminy Kite.

[**Haliastur indus indus** Bodd.

Falco Indus Boddaert, Tabl. Pl. Enlum. 1783, p. 25: Pondicherry, India.

Distr.—Extra-limital.]

¹ "*H. leucoryphus*" for Borneo is based on a misidentification.

Haliastur indus intermedius Gurney.

Haliastur intermedius Gurney, Ibis, 1865, p. 28 : Java.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton and Mendanau;
West Sumatran Islands of Simalur, Banjak group, Nias
and Pagi Islands.

Borneo; North Bornean Islands.

Java; Bali; Kangean Islands.

Genus **MILVUS**¹ Lacépède.

Milvus migrans (Bodd.).

Kite.

[*Milvus migrans migrans* (Bodd.).

Falco migrans Boddaert, Tabl. Pl. Enlum. 1783, p. 28 : France.

Distr.—Extra-limital.]

Milvus migrans govinda Sykes.

Milvus Govinda Sykes, Proc. Comm. Zool. Soc. 1832, p. 81 : Deccan.

Distr.—Malay States.²

***Milvus migrans lineatus** (Gray).

Haliaëtus lineatus Gray in Hardwicke's Illustr. Ind. Zool. 1, 1831,
p. 1, pl. 18 : China.

Distr.—Borneo.

Genus **ELANUS** Savigny.

Elanus caeruleus (Desfont.).

Black-winged Kite.

Elanus caeruleus caeruleus (Desfont.).

Falco caeruleus Desfontaines, Hist. (Mém.) Acad. Paris for 1787,
(1789) p. 503 : Algiers.

Distr.—Malay States.³

Elanus caeruleus hypoleucus Gould.

Elanus hypoleucus Gould, Proc. Zool. Soc. 1859, p. 127 : Celebes.

Elanus intermedius Schleg., Mus. Pays-Bas, Milvi, 1862, p. 7 : Java.

Distr.—Sumatra.

Borneo.

Java.

¹ Revision : Snouck. v. Schaub., Alauda, 1932, p. 156.

² On the continent only known from as far south as Koh Lak in South-west Siam.

³ Not yet definitely recorded from Peninsular Siam.

Genus **MACHÆRHAMPHUS** Westerman.**Machærhamphus alcinus** Westerman. Slender-billed Pern.**Machærhamphus alcinus alcinus** Wester.*Machærhamphus alcinus* Westerman, Bijd. tot de Dierk. 1, 1848
(? 1851), p. 29, pl. 12: Malacca.*Distr.*—Malay Peninsula.
Sumatra.
Borneo.Genus **PERNIS**¹ Cuvier.**Pernis apivorus** (Linn.). Honey-Buzzard.[**Pernis apivorus apivorus** (Linn.).*Falco apivorus* Linn., Syst. Nat. 10th. ed. 1758, p. 91: Sweden.*Distr.*—Extra-limital.]**Pernis apivorus ptilorhyncus** (Temm.).*Falco ptilorhyncus* Temminck, Pl. Col. 44, 1821: Java.*Pernis torquata* Less., Traité d'Orn. 1830, p. 76: Sumatra.*Pernis tweedalii* Hume, Stray Feathers, ix, 1880, p. 446: Malacca.*Distr.*—Malay Peninsula.

Sumatra; Siberut Island, West Sumatra.

Borneo.

Java.

Pernis apivorus japonicus Kuroda.*Pernis apivorus japonicus* Kuroda, Dobuts. Zasshi, 37, 1925, p. 226
(English version); Hondo, Japan: also Formosa and China.*Distr.*—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Banka.

Borneo.

Java.

Pernis apivorus ruficollis Less.²*Pernis ruficollis* Lesson, Traité d'Orn. 1830, p. 77: Bengal.*Distr.*—Malay Peninsula.Genus **AVICEDA** Swainson.**Aviceda leuphotes** (Dumont). Black-crested Baza.*Falco leuphotes* Dumont, Dict. Sci. Nat. xvi, 1820, p. 217:
Pondicherry.*Distr.*—Malay Peninsula.¹ Cf. Kloss, Treubia, xiii, 1931, p. 314.² Both *P. a. japonicus* and *ruficollis* migrate to Malaysia.

Aviceda jerdoni (Blyth). Jerdon's Baza.

Aviceda jerdoni jerdoni (Blyth).

Pernis Jerdoni Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 464 : Malacca.

Aviceda sumatrensis Lafr., Rev. Zool. 1848, p. 210 : Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Aviceda jerdoni borneensis (Sharpe).

Baza borneensis Sharpe, Ibis, 1893, p. 557 : Pontianak, Borneo.

Distr.—Borneo.

Genus **MICROHIERAX** Sharpe.

Microhierax cærulescens (Linn.). Falconet.

[*Microhierax cærulescens cærulescens* (Linn.).

Falco cærulescens Linn., Syst. Nat. 10th ed. 1758, p. 88 : Bengal.

Distr.—Extra-limital.]

Microhierax cærulescens fringillarius (Drap.).

Falco fringillarius Drapiez, Dict. Class. d'Hist. Nat. vi, 1824, p. 412, pl. 5 : Sumatra (*Hartert*, 1902).

Hierax malayensis Strick., Ann. Nat. Hist. xiii, 1844, p. 33 : "Malay species" = Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Microhierax latifrons Sharpe. White-fronted Falconet

Microhierax latifrons Sharpe, Ibis, 1879, p. 237, pl. 7 : Lawas River, North-west Borneo.

Distr.—Borneo (North).

Genus **FALCO** Linn.

Falco peregrinus Tunst. Peregrine Falcon.

[**Falco peregrinus peregrinus** Tunst.

Falco Peregrinus Tunstall, Orn. Brit. 1771, p. 1 : Great Britain.

Distr.—Extra-limital.]

Falco peregrinus calidus Lath.*Falco calidus* Latham, Ind. Orn. 1, 1790, p. 41 : India.*Distr.*—Malay States.Sumatra;¹ Banka; Billiton (? subsp.).

Borneo.

Java; Thousand Islands.

Falco peregrinus ernesti Sharpe.*Falco ernesti* Sharpe, Ibis, 1894, p. 545 : Mt. Dulit, Sarawak.*Distr.*—Sumatra.

Borneo.

Java; Bali.

Falco subbuteo Linn.

Hobby.

Falco subbuteo subsp.*Falco Subbuteo* Linn., Syst. Nat. 10th ed. 1758, p. 89 : Sweden.*Distr.*—Java.**Falco severus** Horsf.

Horsfield's Hobby.

Falco severus severus Horsf.²*Falco severus* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 135 : Java.*Falco aldrovandrii* "Reinw." in Temm., Pl. Col. 128, 1822 : Java.*Distr.*—Sumatra.

Borneo.

Java.

Falco tinnunculus Linn.³

Kestrel.

[Falco tinnunculus tinnunculus Linn.*Falco Tinnunculus* Linn., Syst. Nat. 10th ed. 1758, p. 90 : Sweden.*Distr.*—Extra-limital.]**Falco tinnunculus japonensis** Ticeh.*Falco tinnunculus japonensis* Ticehurst, Bull. B. O. Cl. 1, 1929, p. 10 : new name for *F. japonicus* Temm. and Schleg. (Japan).*Distr.*—Malay States.

Borneo.

¹ A falcon, no doubt of this species, was seen by Dr. Abbott on Simalur Island, West Sumatra. Not yet recorded from Peninsular Siam, but almost certain to occur there.

² *F. severus* has been obtained at Bangkok in Siam but there are no satisfactory records from the Malay Peninsula.

³ All kestrels of this species are rare in Malaysia. The few we have seen together with several from Siam seem to represent two races. "*tinnunculus*" has also been recorded from Nias Island, West Sumatra.

Falco tinnunculus saturatus Blyth.

Falco saturatus Blyth, Journ. Asiat. Soc. Bengal, xxviii, 1859,
p. 277: Tenasserim.

Distr.—Malay States.

Falco moluccensis (Bp.).

Moluccan Kestrel.

[**Falco moluccensis moluccensis** (Bp.).

Tinnunculus moluccensis "Schleg." Bonaparte, Consp. Gen. Av.
1, 1850, p. 27: Moluccas.

Distr.—Extra-limital.]

Falco moluccensis occidentalis (Mey. and Wigl.).

Tinnunculus moluccensis occidentalis Meyer and Wieglesworth, Abh.
Ber. Mus. Dresden, vi, No. 2, 1896, p. 8: Celebes.

**Cerchneis moluccensis microbalia* Oberh., Proc. U.S. Nat. Mus. liv,
1917, p. 179: Solombo Besar Island, Java Sea.

Distr.—Borneo.

Java; Bali; Kangean Islands; Solombo Besar Island, Java Sea.

***Falco cenchroides** Vig. and Horsf.

Nankeen Kestrel.

Falco Cenchroides Vigors and Horsfield, Trans. Linn. Soc. xv,
1827, p. 183: New South Wales.

Distr.—Java.

Family PANDIONIDÆ.

Genus PANDION Savigny.

Pandion haliaetus (Linn.).

Osprey.

Pandion haliaetus haliaetus (Linn.).¹

Falco Haliaetus Linn., Syst. Nat. 10th ed. 1758, p. 91: Europe.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo; North Natuna Islands.

Java; Bawean Island.

Pandion haliaetus cristatus (Vieill.).

Buteo cristatus Vieillot, Nouv. Dict. d'Hist. Nat. iv, 1816, p. 481:
Tasmania.

Distr.—Malay Peninsula; Billiton.

Java; Bali; Kangean Island and Karimon-Java Islands.

¹ Some specimens from the Malay Peninsula and the Natuna Islands are *P. h. haliaetus*: the other localities are extracted from literature and may, therefore, refer to *P. h. cristatus* which also occurs in Malaysia. We have only listed as *cristatus* specimens examined, or mentioned in, apparently, critical records.

Family STRIGIDÆ.

Genus **ASIO** Brisson.¹**Asio flammeus** (Pontopp.).

Short-eared Owl.

Asio flammeus flammeus (Pont.).*Strix flammea* Pontoppidan, Danske Atlas, 1, 1763, p. 617, pl. 25 : Denmark.*Distr.*—Malay States.
Borneo.Genus **BUBO**² Duméril.**Bubo zeylonensis** (Gmel.).

Ceylon Fish Owl.

[**Bubo zeylonensis zeylonensis** (Gmel.).]*Strix zeylonensis* Gmelin, Syst. Nat. 1, pt. 1, 1788, p. 287 : Ceylon.
Distr.—Extra-limital.]**Bubo zeylonensis leschenault** (Temm.).*Strix leschenault* Temminck, Pl. Col. 20, 1824 : Chandanagore, East India (*Baker*, 1930).*Distr.*—Peninsular Siam.**Bubo ketupu** (Horsf.).

Fish Owl.

Bubo ketupu ketupu (Horsf.).*Strix Ketupu* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 141 : Java.
Ketupa javanensis Less., Traité d'Orn. 1830, p. 114 : new name for *S. ketupu*.*Distr.*—Malay States.Sumatra; Rhio Archipelago; Billiton; Banka.
Borneo (part).
Java; Bali.**Bubo ketupu aagaardi** Neum.*Bubo ketupu aagaardi* Neumann, Bull. Brit. Orn. Cl. lv, 1935, p. 138 : Bang Nara, Peninsular Siam.*Distr.*—Peninsular Siam.³***Bubo ketupu pageli** Neum.⁴*Bubo ketupu pageli* Neumann, Bull. Brit. Orn. Cl. lv, 1935, p. 138 : Marudu Bay, British North Borneo.*Distr.*—North-east Borneo.

¹ *A. otus* was included in Robinson's Handlist of birds of the Malay Peninsula (1910) on the strength of a locally obtained specimen in the Raffles Museum, Singapore, but the specimen is no longer extant and we think that perhaps *A. flammeus* was intended.

² Cf. Meise, Orn. Monatsber. xli, 1933, p. 169.

³ Birds from the Malay States are nearer to *ketupu* than to *aagaardi*.

⁴ Exact topotypes not seen and the race is therefore maintained here, but birds from Sarawak and Java seem inseparable.

STRIGIDÆ.

***Bubo ketupu büttikoferi** nom. nov.

Ketupa minor Büttikofer, Notes Leyd. Mus., xviii, 1896, p. 165 :
Nias Island, West Sumatra (not *B. minor* Schleg. 1862).

Distr.—Nias Island, West Sumatra.

Bubo coromandus (Lath.).

Dusky Horned Owl.

[**Bubo coromandus coromandus** (Lath.).

Strix coromanda Latham, Ind. Orn. i, 1790, p. 53 : Coromandel Coast.

Distr.—Extra-limital.]

Bubo coromandus klossii Rob.

Bubo coromandus klossii Robinson, Journ. Fed. Mal. States Mus. iv, 1911, p. 246 : Gunong Semanggol, North Perak, Malay States.

Distr.—Malay Peninsula.

Genus **HUHUA** Hodgson.

Huhua sumatrana (Raffles).

Eagle-Owl.

Huhua sumatrana sumatrana (Raffles).

Strix sumatrana Raffles, Trans. Linn. Soc. xiii, 1822, p. 279 : Sumatra.

Bubo orientalis minor Schleg., Mus. Pays-Bas, Oti, 1862, p. 13 : Banka.

Distr.—Malay Peninsula.
Sumatra; Banka.

Huhua sumatrana strepitans (Temm.).

Strix strepitans Temminck, Pl. Col. 174, 1823 : Batavia, Java.

Strix orientalis Horsf. (nec Shaw), Trans. Linn. Soc. xiii, 1821, p. 140 : Java.

Distr.—Borneo.¹
Java; Bali.

Genus **OTUS**² Pennant.

Otus scops (Linn.).

Scops Owl.

[**Otus scops scops** (Linn.).

Strix Scops Linn., Syst. Nat. 10th ed. 1758, p. 92 : Italy.

Distr.—Extra-limital.]

¹ We have never been able to compare birds from Borneo and Java, but those from the former locality are less boldly barred below than specimens from the Malay Peninsula and Sumatra.

² Revision : Stres., Mitt. Zool. Mus. 1925, p. 191.

Otus scops malayanus (Hay).

Scops Malayanus Hay, Madr. Jour. Lit. Sci. xiii, pt. 2, 1845, p. 147: Malacca.

Distr.—Malay Peninsula.¹

Otus scops mantananensis Sharpe.

Scops mantananensis Sharpe, Bull. B.O. Cl. i, 1892, p. 4: Mantanani Island, North-west Borneo.

Distr.—Mantanani Island, Borneo.

Otus spilocephalus (Blyth).

Mountain Scops Owl.

[Otus spilocephalus spilocephalus (Blyth).

Ephialtes spilocephalus Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 8: Darjeeling.

Distr.—Extra-limital.]

Otus spilocephalus siamensis Rob. and Kloss.

Otus luciae siamensis Robinson & Kloss, Journ. Fed. Mal. States Mus. x, 1922, p. 261: Kao Nong, Bandon, Peninsular Siam.

Distr.—Peninsular Siam.

Otus spilocephalus vulpes O.-Grant.²

Heteroscoops vulpes O.-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 11: Gunong Tahan, Pahang, Malay States.

Distr.—Malay States.

Otus spilocephalus stresemanni Rob.

Athenoptera spilocephalus stresemanni Robinson, Bull. Brit. Orn. Cl. xlviii, 1927, p. 127: Korinchi, West Sumatra.

Distr.—Sumatra.

Otus spilocephalus luciae (Sharpe).

Scops luciae Sharpe, Ibis, 1888, p. 478: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Otus spilocephalus angelinae (Finsch).

Pisorhina angelinae Finsch, Orn. Monatsber. xx, 1912, p. 156: West Java.

Distr.—Java.

¹ We cannot confirm the locality "Sumatra" given by Robinson (1927).

² Stresemann unites *luciae*, *vulpes*, *stresemanni* and *vandewateri*, but although the species is very variable and the series examined small we are prepared to accept the first three forms as fair average subspecies. In the case of *vandewateri* we are not yet convinced that it is a form of *spilocephalus*.

Otus vandewateri (Rob. and Kloss).¹ Vandewater's Scops Owl.

Pisorhina vandewateri Robinson and Kloss, Journ. Strs. Br. Roy. Asiat. Soc. lxxiii, 1916, p. 275: Koriuchi Peak, Sumatra.

Distr.—Sumatra.

Otus umbra (Richm.).² Barussan Scops Owl.

***Otus umbra umbra** Richm.

Pisorhina umbra Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 494: Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

***Otus umbra enganensis** Riley.

Otus umbra enganensis Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 93: Engano Island, West Sumatra.

Distr.—Engano Island, West Sumatra.

Otus bakkamoena (Penn.). Collared Scops Owl.

[**Otus bakkamoena bakkamoena** (Penn.).

Otus Bakkamoena Pennant, Ind. Zool. 1769, p. 3, pl. 3: Ceylon.

Distr.—Extra-limital.]

Otus bakkamoena condorensis Kloss.

Otus bakkamoena condorensis Kloss, Journ. Siam Soc., Nat. Hist. Suppl. viii, 1930, p. 81: Condore Island.

Distr.—Peninsular Siam.

Otus bakkamoena lempiji (Horsf.).

Strix Lempiji Horsfield, Trans. Linn. Soc. xiii, 1821, p. 140: Java.

Scops javanicus Less., Traité d'Orn. 1830, p. 107: Java.

Strix noctula Temm., Pl. Col. 99, 1821: Java, Sumatra, Banda.

Distr.—Malay Peninsula.

Sumatra; Banka; Billiton.

Borneo; North Natuna Islands.

Java; Bali; Kangean Islands.⁴

Otus bakkamoena mentawi Chas. and Kloss.

Otus bakkamoena mentawi Chasen and Kloss, Ibis, 1926, p. 279: Sipora Island, West Sumatra.

Distr.—Siberut and Sipora Islands, Mentawi Group, West Sumatra.³

¹ Stresemann places this owl as a synonym of *O. spilocephalus lucia* (= *stresemanni* Rob.), but we are not yet convinced.

² Can almost certainly be lumped with one of the other more widely spread Malaysian species, but as we have not seen either *umbra* or *enganensis* we cannot attempt a wider nomenclature.

³ A small owl, possibly this form, also occurs in the Pagi Islands, Mentawi Group.

⁴ The Kangean form is possibly separable: Robinson seemed to think that a Bornean race was separable, but we cannot see any peculiarity in ten specimens from Sarawak.

STRIGIDÆ.

Otus brookii (Sharpe).

Rajah's Scops Owl.

Otus brookii brookii (Sharpe).

Scops brookii Sharpe, Bull. B. O. Cl. i, 1892, p. 4: Mt. Dulit, North Sarawak, Borneo.

Distr.—Borneo.
Java.¹

Otus brookii solokensis (Hart.).

Pisorhina solokensis Hartert, Bull. Brit. Cl. i, 1893, p. 39: Padang Highlands, Sumatra.

Distr.—Sumatra.

Otus sagittatus Cass.

Large Malay Scops Owl.

Ephialtes sagittatus Cassin, Journ. Acad. Nat. Sci. Philad. iv, 1850: Malacca.

Distr.—Malay Peninsula.

Otus rufescens (Horsf.).

Reddish Scops Owl.

Otus rufescens rufescens (Horsf.).

Strix rufescens Horsfield, Trans. Linn. Soc. xiii, 1821, p. 140: Java.

Scops mantis "Müll.", Bp., Consp. Gen. Avium, i, 1850, p. 47: Borneo.

Distr.—Sumatra; Banka.
Borneo.
Java.

Otus rufescens malayensis Hach.²

Otus rufescens malayensis Hachisuka, Birds of Phil., iii, 1934, p. 52: Mt. Ophir, Malacca.

Distr.—Malay States.

Genus **NINOX** Hodgson.³

Ninox scutulata (Raffles).

Hawk-Owl.

Ninox scutulata scutulata (Raffles).

Strix scutulata Raffles, Trans. Linn. Soc. xiii, 22, p. 280: Sumatra.

Distr.—Malay Peninsula.
Sumatra.
Borneo.
Java.

¹ The Javan form is probably separable.

² We only have four specimens of this owl. Two from the Malay States are rather paler and redder than two from Borneo.

³ Cf. Kloss, Treubia, xiii, 1931, p. 316.

Ninox scutulata burmanica Hume.¹

Ninox burmanica Hume, Stray Feathers, iv, 1876, p. 285 : Pegu.

Distr.—Malay Peninsula.²

Ninox scutulata malaccensis (Eyton).

Athene malaccensis Eyton, Ann. & Mag. Nat. Hist. xvi, 1845, p. 228 : Malacca.

Noctua hirsuta minor Schleg., Mus. Pays-Bas, Av. Noct. 1873, p. 24 : Banka (*by elimination*).

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka.

Ninox scutulata borneensis (Bp.).

Athene borneensis Bonaparte, Consp. Gen. Avium, 1850, p. 41 : Borneo.

Ninox labuanensis Sharpe, Cat. Bds. Brit. Mus. ii, 1875, p. 165 : Labuan Island.

Distr.—Borneo; North Natuna Islands.

Ninox scutulata javanensis Stres.

Ninox scutulata javanensis Stresemann, Orn. Monatsber. xxxvi, 1928, p. 54 : West Java.

Distr.—Java (West).

Ninox forbesi ScL.

Island Hawk-Owl.

[**Ninox forbesi forbesi** ScL.

Ninox forbesi P. L. Sclater, Proc. Zool. Soc. 1883, p. 52, pl. xi : Timor Laut.

Distr.—Extra-limital.]

Ninox forbesi natalis Lister.

Christmas Island Hawk-Owl.

Ninox natalis Lister, Proc. Zool. Soc. 1888, p. 525 : Christmas Island, Indian Ocean.

Distr.—Christmas Island.

Genus **STRIX** Linn.

Strix orientalis Shaw.³

Wood-Owl.

Strix orientalis orientalis Shaw.

Strix orientalis Shaw, Gen. Zool. vii, 1809, p. 257 : China, error = Cochin China.

Distr.—Malay Peninsula.

¹ For the present we regard *japonica* Schleg., and *ussuriensis* Buturlin, as synonyms of *scutulata*, a migratory form in Malaysia. "*N. scutulata*" has also been recorded from the Lingga Archipelago.

² Sporadic as far south as Singapore.

³ Cf. Stres., Orn. Monatsber. xxxii, 1924, p. 111.

STRIGIDÆ.

Strix orientalis seloputo Horsf.

Strix Selo-puto Horsfield, Trans. Linn. Soc. xiii, 1821, p. 140 : Java.

Strix pagodorum Temm., Pl. Col. 230, 1823 : Java (*Stresemann, 1924*).
Distr.—Java.

***Strix orientalis baweana** Oberh.

Strix baweana Oberholser, Proc. U.S. Nat. Mus. lii, 1917, p. 190 : Bawean Island, Java Sea.

Distr.—Bawean Island.

Strix leptogrammica¹ Temm.

Malayan Wood-Owl.

Strix leptogrammica leptogrammica Temm.

Strix leptogrammica Temminck, Pl. Col. 525, 1831 : Borneo.

Distr.—Borneo; Billiton.

Strix leptogrammica maingayi (Hume).

Syrnium maingayi Hume, Stray Feathers, vi, 1878, p. 27 : Malacca.

Distr.—Malay Peninsula.

Strix leptogrammica myrtha (Bp.).

Ciccaba myrtha Bonaparte, Conspectus Gen. Avium, i, 1850, p. 44 : Sumatra.

Distr.—Sumatra.

***Strix leptogrammica bartelsi** (Finsch).

Syrnium Bartelsi Finsch, Bull. Brit. Orn. Cl. xvi, 1906, p. 63 : West Java.

Distr.—Java (west and central).

***Strix leptogrammica nyctiphasma** Oberh.

Strix leptogrammica nyctiphasma Oberholser, Journ. Wash. Acad. Sci. xiv, 1924, p. 302 : Bangkaru Island, Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

***Strix leptogrammica niasensis** (Salvad.).

Syrnium niasense Salvadori, Ann. Mus. Civ. Gen. (2), iv, 1887, p. 526 : Nias Island.

Distr.—Nias Island, West Sumatra.

¹ Cf. Stres., Orn. Monatsber. xxxii, 1924, p. 110.

Genus **GLAUCIDIUM** Boie.¹

Glaucidium brodiei (Burt.). Pygmy Owlet.

[**Glaucidium brodiei brodiei** (Burt.).

Noctua Brodiei Burton, Proc. Zool. Soc. for 1835, 1836, p. 152 :
Himalayas

Distr.—Extra-limital.]

Glaucidium brodiei tubiger (Hodgs.).

Noctua tubiger Hodgson, Asiat. Res. xix, 1836, p. 175 : Nepal.

Distr.—Malay Peninsula.

Glaucidium brodiei sylvaticum (Bp.).

Athene sylvatica Bonaparte, Conspectus Gen. Av. 1850, p. 40 : Padang
Highlands, Sumatra.

Distr.—Sumatra.

Glaucidium brodiei borneense Sharpe.

Glaucidium borneense Sharpe, Bull. Brit. Orn. Cl. i, 1893, p. 55 :
Mt. Kalulung, Sarawak, Borneo.

Distr.—Borneo.

Glaucidium cuculoides (Vig.). Barred Owlet.

[**Glaucidium cuculoides cuculoides** (Vig.).

Noctua cuculoides Vigors, Proc. Zool. Soc. 1830-31, 1831, p. 8 :
Himalayas.

Distr.—Extra-limital.]

Glaucidium cuculoides castanopterum (Horsf.).

Strix castanoptera Horsfield, Trans. Linn. Soc. xiii, 1821, p. 140 :
Java.

Distr.—Java; Bali.

Family TYTONIDÆ.

Genus **TYTO**² Billberg.

Tyto alba (Scop.). Barn Owl.

[**Tyto alba alba** Scop.

Strix alba Scopoli, Annus. i, Hist. Nat. 1769, p. 21 : North Italy.

Distr.—Extra-limital.]

¹ *G. radiatum* (Tick.), is supposed to have been obtained by Cantor in Kedah, but we believe a mistake in labelling has occurred and do not admit the species to the Malayan list.

² Revision : Hart., Nov. Zool. xxxix, 1934, p. 151.

Tyto alba javanica (Gmel.).

Strix javanica Gmelin, Syst. Nat. 1, pt. 1, 1788, p. 295: Java.

Distr.—Malay States.¹

Java; Thousand Islands; Kangean Islands.

Genus **PHODILUS** Geoffr. St. Hilaire.

Phodilus badius² (Horsf.).

Bay Owl.

Phodilus badius badius (Horsf.).

Strix badia Horsfield, Trans. Linn. Soc. xiii, 1821, p. 139: Java.

Phodilus badius abbotti Oberh., Proc. Acad. Sci. Wash. xiv, 1924, p. 302: Province Wellesley, Malay Peninsula.

Distr.—Malay States.

Sumatra; Billiton; Nias Island.

Borneo.

Java; Bali.

***Phodilus badius arixuthus** Oberh.

Phodilus badius arixuthus Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 40: Bunguran Island, North Natuna Islands.

Distr.—Bunguran Island, Natuna Islands.

Family LORIIDÆ.

Genus **TRICHOGLOSSUS** Stephens.

Trichoglossus ornatus (Linn.).

Lorikeet.

[**Trichoglossus ornatus ornatus** (Linn.).

Psittacus ornatus Linn., Syst. Nat. 10th ed. 1758, p. 98: America error=Celebes.

Distr.—Extra-limital.]

***Trichoglossus ornatus mitchellii** Gray.

Trichoglossus mitchellii Gray, List. Psitt. Brit. Mus. 1859, p. 62: Lombok.

Distr.—Bali.

¹ No definite record for Peninsular Siam: of very doubtful occurrence in Sumatra and Borneo.

² Revision: Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 40; Robinson, Bull. Brit. Orn. Cl. xlvii, 1927, p. 121.

Family KAKATCEIDÆ.

Genus KAKATOË Cuvier.

Kakatoë sulphurea (Gmel.). White Cockatoo.

[**Kakatoë sulphurea sulphurea** (Gmel.).

Psittacus sulphureus Gmelin, Syst. Nat. 1, pt. i, 1788, p. 330 : Celebes.

Distr.—Extra-limital.]

***Kakatoë sulphurea abbotti** Oberh.†

Kakatoë parvulus abbotti Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 181 : Solombo Besar Island, Java Sea.

Distr.—Solombo Besar Island; Java Sea.

Family PSITTACIDÆ.

Genus TANYGNATHUS Wagler.

Tanygnathus lucionensis (Linn.). Phillipine Paroquet.

Tanygnathus lucionensis lucionensis (Linn.).

Psittacus lucionensis Linn., Syst. Nat. 12th. ed. 1, 1766, p. 146 : Philippine Islands.

Tanygnathus salvadorii O.-Grant, Ibis. 1896, p. 562 : Mantanani Island.

Tanygnathus lucionensis horisonus Bangs and Peters, Occ. Pap. Boston Soc. Nat. Hist. v, 1927, p. 236 : Maratua Island.

Distr.—Mantanani Island, North-west Borneo; Maratua Island, East Borneo.²

Genus PSITTACULA³ Cuvier.

Psittacula alexandri (Linn.). Red-breasted Paroquet.

Psittacula alexandri alexandri (Linn.).

Psittacus Alexandri Linn., Syst. Nat. 10th. ed. 1, 1758, p. 97 : Java (Hartert, 1902).

Psittacus javanicus Forst. in Osb., Voy. China, i, 1771, p. 156 : Java.

Psittacus bimaculatus Sparrm., Mus. Carls. ii, 1787, No. xxx : Java.

Psittacus Osbeckii Lath., Ind Orn. i, 1790, p. 87 : Java.

Distr.—Java, Bali, Kangean Islands; Borneo (south).

¹ A Cockatoo of this group is also found in Bali where it has no doubt been introduced : Stresemann identifies it as *occidentalis* Hartert of Lombok. A comparison between *occidentalis* and *abbotti* is needed.

² We cannot separate birds from Maratua and Mantanani Islands from *lucionensis* of Luzon. This parrot has been introduced into many parts of its present range. A specimen from Lawas on the mainland of N. Borneo, in the British Museum, we regard as an introduced bird.

³ Revision : Snouck. v. Schaub., Alauda, 1933, p. 307.

Psittacula alexandri dammermani Chas. and Kloss.

Psittacula alexandri dammermani Chasen and Kloss, Treubia, xiv, 1933, p. 168 : Karimon-Java Island, Java Sea.

Distr.—Karimon-Java Island.

Psittacula alexandri fasciata (Müll.).

Psittacus fasciatus P. L. S. Müller, Natursyst. Suppl. 1776, p. 74 : Pondicherry.

Distr.—Peninsular Siam.

***Psittacula alexandri cala** (Oberh.).

Conurus fasciatus calus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 4 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

***Psittacula alexandri major** (Richm.).

Palæornis major Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 188 : Babi Island, West Sumatra.

Distr.—Babi and Lasia Islands, West Sumatra.

***Psittacula alexandri perionca** (Oberh.).

Conurus fasciatus perioncus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 4 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Psittacula longicauda (Dodd.).

Long-tailed Paroquet.

Psittacula longicauda longicauda (Bodd.).

Psittacus longicauda Boddaert, Tabl. Planch. Enlum. 1783, p. 53 : Malacca.

Psittacus malaccensis Gmel., Syst. Nat. i, 1788, p. 325 : Malacca.

Psittacus erubescens Shaw, Gen. Zool. viii, 2, 1812, p. 437 : Malacca.

Psittacus barbatulatus Bechst. in Lath, Vögel, iv, 1, 1811, p. 77 : Malacca.

Conurus erythrogenys Lesson, Traité d'Orn. 1830, p. 215 : no loc. = Malacca.

Palæornis viridimystax Blyth, Journ. Asiat. Soc. Bengal, xxv, 1856, p. 446 : no loc. = Malacca.

Distr.—Malay States; Anamba Islands.

Sumatra; Banka; Billiton.

Borneo.

Psittacula longicauda defontainei Chas.

Psittacula longicauda defontainei Chasen, Bull. Raffles Mus. ix, 1934, p. 93 : Bunguran Island, North Natuna Islands.

Distr.—Bintang Island; Rhio Archipelago.¹

Natuna Islands; Karimata Islands.

¹ This parrot occurs on other islands in the Rhio Archipelago, but we have no specimens and cannot give the exact range of the large race, *defontainei*.

PSITTACIDÆ.

Psittacula longicauda modesta (Fraser).

Palæornis modestus Fraser, Proc. Zool. Soc. 1845, p. 16: no loc.
=Engano Island.

Palæornis lucianæ Verr., Rev. Mag. Zool. 1850, p. 598, pl. 13: no loc.=Engano.

Palæornis erythrogenys (nec Lesson), Proc. Zool. Soc. 1850, p. 245: no loc.=Engano.

Palæornis fraseri Moore, Cat. Birds Mus. East Ind. Coy. 2, 1856-58, p. 621 (note): new name for *P. erythrogenys* Fraser.

Distr.—Engano Island, West Sumatra.

Genus **PSITTINUS** Blyth.

Psittinus cyanurus (Forst.).

Little Malay Parrot.

Psittinus cyanurus cyanurus (Forst.).

Psittacus cyanurus Forster, Indische Zool. 1795, p. 6: Malacca.

Psittacus malaccensis (nec Gmel.), Lath., Ind. Orn. i, 1790, p. 130: Malacca.

Psittacus incertus Shaw and Nodd., Nat. Misc. xix, 1807, pl. 769: India *errore*=Malacca.

Psittacus macropterus Kuhl, Nova Acta Phys. Acad. Leop. Carol. x, 1820, p. 6: as syn. of *P. malaccensis* Lath.

Psittacula reticulata Less., Traité d'Orn. 1830, p. 204: no loc.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo.

***Psittinus cyanurus abbotti** Richm.

Psittinus abbotti Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 188: Simalur Island, West Sumatra.

Distr.—Simalur and Siumat Island (near Simalur), West Sumatra.

Psittinus cyanurus pontius Oberh.

Psittinus cyanurus pontius Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 5: South Pagi Island, West Sumatra.

Distr.—Mentawi Islands (Siberut, Sipora, South Pagi), West Sumatra.

Genus **LORICULUS** Blyth.

Loriculus vernalis (Sparrm.).

Indian Loriquet.

Loriculus vernalis vernalis (Sparr.).

Psittacus vernalis Sparrman, Mus. Carls. 1787, no. xix: no locality.

Distr.—Peninsular Siam.¹

¹ Of doubtful occurrence in the north of the Malay States.

Loriculus vernalis pusillus Schleg.

Loriculus pusillus "G. R. Gray" Schlegel, Mus. Pays—Bas, iii, Psittaci, 1864, p. 132: Java.

Coryllis javanica Finsch, Papag. ii, 1868, p. 64: Java.

Distr.—Java; Bali.

Loriculus galgulus (Linn.).

Malay Loriquet.

Loriculus galgulus galgulus (Linn.).

Psittacus Galgulus Linn., Syst. Nat. 10th ed. 1758, p. 103: India error = Malacca.

Psittacus pumilus Scop., Del. Flor. et Faun. Insubr. 1786, p. 87: Malacca.

Psittacula cyaneopileata Bourj., Perr. 1837-38, pl. 88: Malacca.

Loriculus galgulus lamprochlorus Oberh., Smiths. Misc. Coll. lx, 7, 1912, p. 5: Nias Island, West Sumatra.

Distr.—Malay Peninsula (rare in north); Anamba Islands (*vis.*): Sumatra; Rhio Archipelago; Banka; Billiton; West Sumatran Islands of Banjak group, Nias and Mentawi group. Borneo; North Bornean Islands; Maratua Islands.

***Loriculus galgulus dolichopterus** Oberh.

Loriculus galgulus dolichopterus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 5: Engano Island, West Sumatra.

Distr.—Engano Island, West Sumatra.

Family PODARGIDÆ.

Genus **BATRACHOSTOMUS** Gould.

Batrachostomus auritus (Gray).

Large Frogmouth.

Podargus auritus J. E. Gray, in Griffith ed. Cuv. Anim. King. ii, 1829, p. 114: Sumatra.

Bombycistomas fullertonii Hay, Journ. Asiat. Soc. Beng. 1841, p. 574, woodcut: Sumatra.

Distr.—Malay States.

Sumatra.

Borneo; North Natuna Islands.

Batrachostomus poliophus Hartert.

Hartert's Frogmouth.

Batrachostomus poliophus Hartert, Notes Leyd. Mus. 1892, p. 63: Padang, West Sumatra.

Distr.—Sumatra.

Batrachostomus harterti Sharpe.

Dulit Frogmouth.

Batrachostomus harterti Sharpe, Ibis, 1892, p. 323: Mt. Dulit, Sarawak.

Distr.—Borneo.

Batrachostomus stellatus (Gould). Gould's Frogmouth.

Podargus stellatus Gould, Proc. Zool. Soc. 1837, p. 43 : Malacca.

Podargus parvulus Schleg., Journ. f. Ornith. 1856, p. 460 : Borneo.

Batrachostomus stictopterus Cab. and Heine, Mus. Hein. ii, 1860, p. 124 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos.

Borneo; North Natuna Islands.

Batrachostomus mixtus Sharpe.¹ Sharpe's Frogmouth.

Batrachostomus mixtus Sharpe, Bull. Brit. Orn. Cl. i, 1892, p. 4 :

Mt. Dulit, Sarawak.

Distr.—Borneo.

Batrachostomus javensis (Horsf.). Horsfield's Frogmouth.

Podargus Javensis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 141 :

Java.

Podargus cornutus Temm., Pl. Col. 159, 1823 : Sumatra.

Batrachostomus adspersus Brügg., Ann. Mag. Nat. Hist. (4) xx, 1877, p. 178 : Borneo.

Distr.—Sumatra.

Borneo.

Java.

Batrachostomus affinis Blyth. Blyth's Frogmouth.

Batrachostomus affinis Blyth, Journ. Asiat. Soc. Beng., 1847, p.

1180 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo; Banguet Island, North Borneo.

Family CORACIIDÆ.

Genus CORACIAS Linn.

Coracias benghalensis (Linn.). Indian Roller.

[*Coracias benghalensis benghalensis* (Linn.).

Corvus benghalensis Linn., Syst. Nat. 10th ed. 1758, p. 106 : Bengal.

Distr.—Extra-limital.]

Coracias benghalensis affinis Horsf.

Coracias affinis Horsfield, Proc. Zool. Soc. for 1839, 1840, p. 164 :

Assam.

Distr.—Malay Peninsula.²

¹ Perhaps only a phase of *B. affinis*.

² I have seen this roller in Kelantan near the Trengganu border (June).

Genus **EURYSTOMUS**¹ Vieillot.

Eurystomus orientalis (Linn.). Broad-billed Roller.

Eurystomus orientalis orientalis (Linn.).²

Coracias orientalis Linn., Syst. Nat. 12th ed. 1, 1766, p. 159: Java.

Eurystomus fuscicapillus Vieill., Nouv. Dict. d'Hist. Nat. xxix, 1819, p. 426: India.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Billiton; Simalur Island, West Sumatra.

Borneo; North Borneo Islands.

Java; Bali.

Eurystomus orientalis calonyx Sharpe.

Eurystomus calonyx Sharpe, Proc. Zool. Soc. 1890, p. 551: Nepal.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; West Sumatran Islands of Simalur and Sipora; Billiton.

Borneo; North Bornean Islands; North Natuna Islands.

Java; Bali.

Eurystomus orientalis connectens Stres.

Eurystomus orientalis connectens Stresemann, Nov. Zool. xx, 1913, p. 302: Moa Island.

Distr.—Kangean Islands.

Family **ALCEDINIDÆ**.³

Genus **RAMPHALCYON**⁴ Reichenbach.

Ramphalcyon amauroptera (Pears.). Brown-winged Stork-billed Kingfisher.

Halcyon amauropterus Pearson, Journ. Asiat. Soc. Beng. x, 1841, p. 635: Calcutta.

Distr.—Malay Peninsula (south to Langkawi Islands).

Ramphalcyon capensis (Linn.). Stork-billed Kingfisher.

Ramphalcyon capensis capensis (Linn.).

Alcedo capensis Linn., Syst. Nat. 12th. ed. 1, 1766, p. 180: Java.

Pelargopsis fraseri Sharpe, Proc. Zool. Soc. 1870, p. 65: Java.

Distr.—Java.

¹ Stres., Nov. Zool. xx, 1913, p. 297.

² The species has also been recorded from Nias, the Thousand Islands and the Karimon-Java Islands. Birds from these localities might belong to either *calonyx* or *orientalis*.

³ Cf. Laub., Arch. f. Naturgesch. 1924, p. 55.

⁴ Revision: Oberh., Proc. U.S. Nat. Mus. xxxv, 1909, p. 657.

Ramphalcyon capensis malaccensis Sharpe.¹

Pelargopsis malaccensis Sharpe, Proc. Zool. Soc. 1870, p. 67 : Malacca.

Ramphalcyon capensis hydrophila Oberholser, Proc. U.S. Nat. Mus. xxxv, 1909, p. 677 : Singapore Island.

Distr.—Malay Peninsula.

Rhio Archipelago; Lingga Archipelago.

Ramphalcyon capensis cyanopteryx Oberh.²

Ramphalcyon capensis cyanopteryx Oberholser, Proc. U.S. Nat. Mus. xxxv, 1909, p. 676 : Tapanuli Bay, North-west Sumatra.

Ramphalcyon capensis arignota Oberh., Proc. Biol. Soc. Wash. xxxvii, 1924, p. 136 : Indragiri River, South-east Sumatra.

Distr.—Sumatra; Banka; Billiton; Mansalar Island, west coast of Sumatra.

***Ramphalcyon capensis simalurensis** (Richm.).

Pelargopsis simalurensis Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 498 : Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

***Ramphalcyon capensis sodalis** (Richm.).

Pelargopsis sodalis Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 499 : Tuangku Island, Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

***Ramphalcyon capensis nesoeca** Oberh.

Ramphalcyon capensis nesoeca Oberholser, Proc. U.S. Nat. Mus. xxxv, 1909, p. 674 : Nias Island.

Distr.—Nias Island and Batu Islands, West Sumatra.

Ramphalcyon capensis isoptera Oberh.

Ramphalcyon capensis isoptera Oberholser, Proc. U.S. Nat. Mus. xxxv, 1909, p. 671 : Sikakap Strait, Pagi Islands, West Sumatra.

Distr.—Mentawi Islands (Siberut, Sipora, Pagi Islands), West Sumatra.

¹ It is difficult to draw a line between *burmanica* as represented by specimens from Siam and *malaccensis* and there is a large intermediate zone. With fair series before us it seems just possible to separate the two forms at the Isthmus of Kra.

² In both North and South Sumatra birds inseparable from both *malaccensis* and *javana* occur. The Sumatran race seems in fact exactly intermediate and we recognize it because we have seen no ochraceous headed birds from the Malay Peninsula, or dark headed birds from Borneo.

ALCEDINIDÆ.

Ramphalcyon capensis javana (Bodd.).

Alcedo javana Boddaert, Tabl. Planch. Enlum. 1783, p. 47: Java error=Borneo.

Alcedo leucocephala Gmel., Syst. Nat. i, pt. 1, 1788, p. 456: Java error=Borneo.

Alcedo javanica Shaw, Gen. Zool. viii, 1812, p. 67: Java error=Borneo.

Ramphalcyon capensis innominata van Oort, Notes Leyd. Mus. xxxii, 1910, p. 126: Borneo.

Distr.—Borneo.

Ramphalcyon capensis floresiana (Sharpe).

Pelargopsis florissiana Sharpe, Proc. Zool. Soc. 1870, p. 68: Flores.

Distr.—Bali.

Genus **ALCEDO** Linn.

Alcedo atthis¹ (Linn.).

Common Kingfisher.

[**Alcedo atthis atthis** Linn.

Gracula Atthis Linn., Syst. Nat. 10th ed. 1758, p. 109: Egypt.

Distr.—Extra-limital.]

Alcedo atthis bengalensis Gmel.

Alcedo bengalensis Gmelin, Syst. Nat. 1, pt. 1, 1788, p. 450: Bengal.

Alcedo bengalensis a. *indica*, b. *sondaica* Reichb., Handb. spec. Orn. Invest. Alcedinæ, 1851, p. 3: loc. of b. Java, etc.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; West Sumatran islands of Simalur, Banjak Group, Nias and Siberut.

Borneo; Natuna Islands; Karimata Islands.

Java.

Alcedo atthis floresiana Sharpe.

Alcedo floresiana Sharpe, Cat. Birds Brit. Mus. xvii, 1892, p. 151: Flores.

Distr.—Bali.

Alcedo euryzona Temm.

Broad-zoned Kingfisher.

Alcedo euryzona euryzona Temm.

Alcedo cryzona (sic) Temminck, text to Pl. Col. 508, 1830: Java.

Distr.—Java.

Sumatra.

Borneo.

¹ Cf. Stres., Nov. Zool. xx, 1913, p. 313.

Alcedo euryzona nigricans Blyth.¹

Alcedo nigricans Blyth, Journ. Asiat. Soc. Beng. xvi, 1847, p. 1180 :
Malacca.

Distr.—Malay Peninsula.

Alcedo meninting² Horsf.

Deep-Blue Kingfisher.

Alcedo meninting meninting Horsf.

Alcedo meninting Horsfield, Trans. Linn. Soc. xiii, 1821, p. 172 :
Java.

Alcedo megarhynchus Hart., Vog. Mus. Senck. Gesell. 1891, p. 134 :
as syn. of *meninting*.

Distr.—Java; Bali.

Alcedo meninting verreauxii De La Berge.³

Alcedo Verreauxii De La Berge, Rev. Mag. Zool. 1851, p. 305, pl. 9 :
Borneo.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo.

***Alcedo meninting subviridis** Oberh.

Alcedo meninting subviridis Oberholser, Smiths. Misc. Coll. lx, 7,
1912, p. 7 : Nias Island, West Sumatra.

Distr.—Banjak Islands and Nias Island, West Sumatra.

***Alcedo meninting callima** Oberh.

Alcedo meninting callima Oberholser, Smiths. Misc. Coll. lx, 7,
1912, p. 7 : Tana Bala Island, Batu Islands, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Alcedo meninting proxima Richm.

Alcedo meninting proxima Richmond, Proc. Biol. Soc. Wash. xxv,
1912, p. 104 : North Pagi Island, West Sumatra.

Distr.—Mentawi Islands (Sipora; North Pagi) West Sumatra.

¹ Males from the Malay Peninsula seem to have the underparts more washed with rufous than those from Java and Borneo.

² Revisions : Laub., Orn. Monatsber. xxiii, 1915, p. 167; Baker, Bull. B. O. Cl. xxxix. 1919, p. 36.

³ *A. m. scintillans* Baker is said to occur in Peninsular Siam, but a specimen from Junk Zeylon is certainly not *scintillans*. *Verrauxii* is rather smaller than typical *meninting* which, in the east of Java, is also rather less blue.

Alcedo coerulescens¹ Vieill. Small Blue Kingfisher.

Alcedo coerulescens Vieillot, Nouv. Dict. d'Hist. Nat. xix, 1818, p. 401: Timor error=Java (*Laubmann*, 1916).

Alcedo beryllina Vieill., Nouv. Dict. d'Hist. Nat. xix, 1818, p. 414: Java

Alcedo biru Horsf., Trans. Linn. Soc. xiii, 1821, p. 172: Java.

Distr.—Java, Bali and Kangean Islands.

Genus **CEYX**² Lacépède.

Ceyx erithacus (Linn.). Three-toed Kingfisher.

Ceyx erithacus erithacus (Linn.).

Alcedo erithaca Linn., Syst. Nat. 10th ed. 1758, p. 115: Bengal.

Ceyx enopopygius Oberh., Smiths. Misc. Coll. lx, 7, 1912, p. 7: Aru Bay, East Sumatra.

Distr.—Malay Peninsula.

Sumatra; Aroa Islands (Straits of Malacca).

Ceyx erithacus motleyi Chas. and Kloss.

Ceyx erithacus motleyi Chasen and Kloss, Journ. f. Orn. 1929, ii, p. 106: Bettotan near Sandakan, British North Borneo.

Distr.—Borneo; North Bornean Islands; Nias Island, West Sumatra.

Ceyx rufidorsus Strickland. Red-backed Three-toed Kingfisher.

Ceyx rufidorsa Strickland, Proc. Zool. Soc. 1846, p. 99: Malacca.

Ceyx dillwynni Sharpe, Proc. Zool. Soc. 1868, p. 593: Labuan, North-west Borneo.

Ceyx innominatus Salvad., Att. R. Accad. Sci. Torino, iv, 1869, p. 465: Java.

Ceyx sharpei Salvad., Att. R. Accad. Sci. Torino, iv, 1869, p. 463: Sarawak.

Ceyx euerythra Sharpe, Cat. Bds. Brit. Mus. xvii, 1892, p. 179: Malacca.

Ceyx rufidorsus robusta Parrot, Abh. Kon. Bay. Akad. Wiss. xxiv, 1907, p. 208: Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Lingga Archipelago; Banka; Billiton; West Sumatran Islands of Batu group; Siberut and Sipora in Mentawi group.³

Borneo; North Natuna Islands.

Java; Bali; Kangean Islands; Bawean Island.

¹ Cf. Laub., Orn. Monatsber., xxiv, 1916, p. 6.

² Cf. Oberh., Bull. U.S. Nat. Mus. 98, 1917, p. 23; Laub., Orn. Monatsber. xxxi, 1923, p. 89; Chas. and Kl., Journ. f. Ornith. 1929, p. 106.

³ Perhaps also on Simalur and islands of the Banjak group, West Sumatra.

Genus **LACEDO** Reichenbach.**Lacedo pulchella** (Horsf.). Banded Kingfisher.**Lacedo pulchella pulchella** (Horsf.).*Dacelo pulchella* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 175 : Java.*Dacelo buccoides* Temm., Pl. Col. 586, 1835 : Sumatra (*Laubmann, 1924*).*Distr.*—Malay States.

Sumatra; Rhio Archipelago.

North Natuna Islands.

Java.

Lacedo pulchella amabilis (Hume).*Carcineutes amabilis* Hume, Stray Feath. i, 1873, p. 474 : Pegu.*Distr.*—Peninsular Siam.**Lacedo pulchella melanops** (Bp.).*Halcyon melanops* Bonaparte, Consp. Gen. Av. 1, 1850, p. 154 : Borneo.*Distr.*—Banka Island.

Borneo.

Genus **HALCYON** Swainson.**Halcyon coromanda**¹ (Lath.). Ruddy Kingfisher.**Halcyon coromanda coromanda** (Lath.).*Alcedo coromanda* Latham, Ind. Orn. i, 1790, p. 252 : Rangoon (*Oberholser, 1915*).*Distr.*—Malay Peninsula (south to Johore).

Sumatra (north-east).

Halcyon coromanda minor Temm. and Schleg.*Alcedo (Halcyon) coromanda minor* Temminck and Schlegel, Siebolds Fauna Japon., Aves, 1848, p. 76 : Pontianak, Borneo (*Oberholser, 1915*).*Entomophora coromanda neophora* Oberholser, Proc. U.S. Nat. Mus. xlviii, 1915, p. 646 : Tapanuli Bay, North-west Sumatra.*Entomophora coromanda pagana* Oberholser, Proc. U.S. Nat. Mus. xlviii, 1915, p. 648 : North Pagi Island, West Sumatra.*Distr.*—Borneo.Malay Peninsula (extreme south); Tioman Archipelago; Rhio Archipelago; Banka; Billiton; Batu and Mentawi Islands, West Sumatra.²

Sumatra (south and west).

Java.

¹ Revision : Oberh., Proc. U.S. Nat. Mus. xlviii, 1915, p. 639; Kloss, Journ. F.M.S. Mus. x, 1921, p. 216.² This is no doubt the form occurring on Simalur, Lasia and Nias Islands, West Sumatra. We have also included the Tioman race under *minor*, but we have only seen young birds and their identification is doubtful.

ALCEDINIDÆ.

Halcyon smyrnensis (Linn.). White-breasted Kingfisher.

[**Halcyon smyrnensis smyrnensis** (Linn.).

Alcedo smyrnensis Linn., Syst. Nat. 10th ed. 1758, p. 116 Smyrna.
Distr.—Extra-limital.]

Halcyon smyrnensis fusca (Bodd.).

Alcedo fusca Boddaert, Tabl. Planch. Enlum. 1783, p. 54; based on Pl. Enlum. 894: Malabar.

Halcyon perpulchra Madarász, Ann. Mus. Hung. ii, 1904, p. 85: Singapore.

Distr.—Malay Peninsula.

Halcyon cyanoventris (Vieill.). Javan Kingfisher.

Alcedo cyanoventris Vieillot, Nouv. Dict. d' Hist. Nat. xix, 1818, p. 412: Java.

Alcedo melanoptera Horsf., Trans. Linn. Soc. xiii, 1821, p. 174: Java.
Alcedo omnicolor "Reinw"., Temm., Pl. Col. 135, 1822: Java.

Distr.—Java; Bali.

Halcyon pileata (Bodd.). Black-capped Kingfisher.

Alcedo pileata Boddaert, Tabl. Planch. Enlum. 1783, p. 41: China.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; West Sumatran Island of Simalur.¹

Borneo; North Natuna Islands.

Halcyon sancta Vig. and Horsf. Sacred Kingfisher.

Halcyon sancta sancta Vig. and Horsf.

Halcyon sanctus Vigors and Horsfield, Trans. Linn. Soc. xv, 1827, p. 206: Australia.

Distr.—Sumatra; Billiton; Mendanau.

Borneo (south).

Java; Bali; Kangean Islands; Karimon-Java Islands.

Halcyon chloris² (Bodd.). White-collared Kingfisher.

[**Halcyon chloris chloris** (Bodd.).

Alcedo Chloris Boddaert, Tabl. Pl. Enlum. 1783, p. 49: Buru Island, Moluccas.

Distr.—Extra-limital.]

¹ Also visual records from West Sumatran Islands of Babi and the Mentawi group.

² Revision: Oberh., Proc. U.S. Nat. Mus. lv, 1919, p. 351; Kloss, Journ. F.M.S. Mus. x, 1921, p. 214; Laub., Verh. Ornith. Bay. xv, 1923, p. 383.

Halcyon chloris humii Sharpe.

Halcyon humii Sharpe, Cat. Bds. Brit. Mus. xvii, 1892, p. 281, pl. 8: Selangor, Malay Peninsula.

Distr.—Malay Peninsula; Tioman Archipelago.
Sumatra (north-east).

Halcyon chloris cyanescens (Oberh.).

Sauropatis chloris cyanescens Oberholser, Proc. U.S. Nat. Mus. lii, 1917, p. 189: Taya Island, off south-east coast of Sumatra.

Sauropatis chloris palmeri Oberh., Proc. U.S. Nat. Mus. lv, 1919, p. 369: Java.

Distr.—Anamba Islands; Tambelan Islands; Saddle Island.
Sumatra (south-east and south); Rhio Archipelago; Lingga Archipelago; Banka; Billiton; Mendanau.
Borneo; North Bornean Islands; Maratua Islands; North and South Natuna Islands; Karimata Islands.
Java; Bali; Bawean Island; Thousand Islands; Karimon-Java Islands; Solombo Besar Island.

Halcyon chloris chloroptera (Oberh.).

Sauropatis chloris chloroptera Oberholser, Proc. U.S. Nat. Mus. 1919, p. 379: Simalur Island, West Sumatra.

Sauropatis chloris amphirya Oberh., Proc. U.S. Nat. Mus. lv, 1919, p. 382: Nias Island, West Sumatra.

Distr.—Sumatra (north-west); West Sumatran islands of Simalur, Nias, Siberut and the Pagi Islands.

Halcyon chloris azela (Oberh.).

Sauropatis chloris azela Oberholser, Proc. U.S. Nat. Mus. lv, 1919, p. 377: Engano Island, West Sumatra.

Distr.—Engano Island, West Sumatra.

Halcyon concreta (Temm.).

Chestnut-collared Kingfisher.

Halcyon concreta concreta (Temm.).

Dacelo concreta Temm., Pl. Col. 346, 1825: Sumatra.

Halcyon varia Eyton, Proc. Zool. Soc. 1839, p. 101: Malaya=Malacca *restr.*

Distr.—Malay Peninsula.
Sumatra; Banka; Billiton.

Halcyon concreta borneana Chas. and Kloss.

Halcyon concreta borneana Chasen and Kloss, Bull. Raff. Mus. 4, 1930, p. 24: near Sandakan, North Borneo.

Distr.—Borneo.

Family BUCEROTIDÆ.

Genus BUCEROS Linn.

Buceros rhinoceros Linn. Rhinoceros Hornbill.**Buceros rhinoceros rhinoceros** Linn.*Buceros Rhinoceros* Linn., Syst. Nat. 1, 1758, p. 104: India = Malacca.*Buceros sumatrana* Schleg. and Müll., Verh. Nat. Gesch. Zool. 1840, Aves, p. 22: Sumatra.*Buceros indica* Schleg. and Müll., Verh. Nat. Gesch. Zool. 1840, Aves, p. 22: Seringapatam error = Malacca.*Buceros sublunatus* "Temm", Bp., Consp. Gen. Av., i, 1850, p. 90: new name for *B. indica*.

Distr.—Malay Peninsula.

Sumatra; ?Rhio Archipelago; Billiton.

Buceros rhinoceros borneoensis Schl. and Müll.*Buceros Borneoensis* Schlegel and Müller, Verh. Nat. Gesch. Zool. 1840, Aves, p. 22: Barito River, South-east Borneo (*restr.* Chasen and Kloss, 1930).*Buceros rhinocerooides* Bp., Consp. Gen. Av. i, 1950, p. 89: new name for *B. borneoensis*.

Distr.—Borneo.

Buceros rhinoceros silvestris Vieill.*Buceros silvestris* Vieillot, Nouv. Dict. d'Hist. Nat. iv, 1817, p. 592: Moluccas error = Java (*Stres.*).*Buceros diadematus* Dumont, Dict. Sc. Nat. vi, 1817, p. 203: Java.*Buceros lunatus* Temm., Pl. Col. 546, 1834: Java.*Buceros javanica* Schl. and Müll., Verh. Nat. Gesch. Zool. 1840, Aves, p. 22: Java.

Distr.—Java.

Genus DICHOCEROS Gloger.

Dichoceros bicornis (Linn.). Great or Homrai Hornbill.*Buceros bicornis* Linn., Syst. Nat. 10th ed. 1758, p. 104: China error = Sumatra.¹*Buceros cristatus* Vieill., Nov. Dict. d'Hist. Nat. iv, 1816, p. 591: Batavia error = Sumatra.

Distr.—Malay Peninsula.

Sumatra.

¹ The type locality is neither Travancore, selected by Baker in 1922, nor the Malay Peninsula selected by Robinson and Kloss in 1923. The species does not occur in China as originally stated but an additional locality "Strat Sunda" was provided in Syst. Nat. 1766, i, p. 153: since the bird is not found in Java on the east side of the Sunda Straits the type locality is therefore "Sumatra". If, as Baker states (F.B.I. Birds, 2nd ed. 4, 1927, p. 284) the Sumatran and continental races are separable (the few we have seen from Sumatra seem like Malayan birds) then the latter must bear the name *cavatus* Shaw: Philippines error = India (*Baker, 1930*).

Genus **ANTHRACOCEROS** Reichenbach.

Anthracoceros coronatus (Bodd.). Pied Hornbill.

[**Anthracoceros coronatus coronatus** (Bodd.).

Buceros coronatus Boddaert, Tabl. Pl. Enlum. 1783, p. 53 : Malabar.

Distr.—Extra-limital.]

Anthracoceros coronatus leucogaster (Blyth).

Buceros leucogaster Blyth, Journ. Asiat. Soc. Bengal, x, 1841, p. 922 : Tenasserim.

Distr.—Malay Peninsula (south to Perak).¹

Anthracoceros coronatus convexus (Temm.).

Buceros convexus Temminck, Pl. Col. 530, 1832 : Java.

Buceros intermedius Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p. 995 : Penang.

Distr.—Malay Peninsula (north to Patani); Tambelan Islands.

Sumatra; Rhio Archipelago; West Sumatran Islands of Mansalar, the Mentawi group and Nias.

Borneo.

Java; Bali.

Anthracoceros coronatus zamelaenus (Oberh.).

Hydrocissa convexa zamelaena Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 38 : Lingung Island, North Natuna Islands.

Distr.—North Natuna Islands.

Anthracoceros coronatus barussensis (Oberh.).

Hydrocissa convexa barussensis Oberholser, Journ. Wash. Acad. Sci. xiv, 1924, p. 301 : Tana Bala Island, Batu Islands, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Anthracoceros malayanus (Raffles).² Black Hornbill.

Buceros malayanus Raffles, Trans. Linn. Soc. xiii, 1822, p. 292 : Sumatra.

Buceros antracicus Temm., Pl. Col. 529, 1832 : Borneo.

Buceros bicolor Eyton, Proc. Zool. Soc. 1839, p. 104 : Malacca.

¹ Although there is a slight overlap in the range of *leucogaster* and *convexus* in the north of the Malay Peninsula both forms can very well be regarded as races of *coronatus*.

² We believe that white and black bills are characteristic of male and female respectively and that Grant (Cat Birds, xvii, 1892, p. 369) was wrong in attributing the black bill to a subadult stage. The meaning of the colour of the superciliary stripe is less clear: it is white or dark grey independent of age and sex.

BUCEROTIDÆ.

Buceros elliotti Hay, Madr. Journ. xiii, pt. 2, 1844, p. 152: Malacca.
Buceros nigrirostris Blyth, Journ. As. Soc. Bengal. xvi, 1847, p. 995: Malacca.

Distr.—Malay Peninsula.
 Sumatra; Banka; Billiton.
 Borneo.

Genus **CRANORRHINUS** Cabanis and Heine.

Cranorrhinus corrugatus (Temm.). Wrinkled Hornbill.

Cranorrhinus corrugatus corrugatus (Temm.).

Buceros corrugatus Temminck, Pl. Col. 531, 1832: Borneo.

Buceros gracilis Temm., Pl. Col. 535, 1832: Pontianak, Borneo.

Buceros rugosus Begbie, Malay Peninsula, 1834, p. 513: Malay Peninsula = Malacca.

Hydrocissa migratorius Maingay, Proc. Asiat. Soc. Bengal, 1868, p. 196: Malacca.

Distr.—Malay Peninsula.
 Sumatra.
 Borneo.

***Cranorrhinus corrugatus megistus** Oberh.

Cranorrhinus corrugatus megistus Oberholser, Smiths. Misc. Coll. lx, 1912, p. 6: Tana Bala Island, Batu Islands, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Genus **RHYTICEROS** Reichenbach.

Rhyticeros plicatus (Forst.). Wreathed Hornbill.

[**Rhyticeros plicatus plicatus** (Forst.).

Buceros plicatus Forster, in Pennant, Ind. Zool. 1781, p. 40: Ceram.

Distr.—Extra-limital.]

Rhyticeros plicatus subruficollis (Blyth).¹

Buceros subruficollis Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 177: Tenasserim.

Distr.—Malay Peninsula.
 Sumatra.
 Borneo.

¹ Bartels and Stresemann (Treubia, xi, 1929, p. 112) regard *R. undulatus* as a subspecies of *plicatus* but it is open to question whether *subruficollis* is not more nearly related to that bird. Of it and the three more western forms, *undulatus*, *subruficollis* and *narcondami* the most distinct is *undulatus* in having the base of the bill in both sexes covered with transverse ridges which are absent in the others. Therefore we would regard *undulatus* as a distinct species and treat the others as races of *plicatus*.

Rhyticeros undulatus (Shaw).¹ Malaysian Wreathed Hornbill.

Buceros undulatus Shaw, Gen. Zool. viii, 1811, p. 26: Java.

Buceros javanicus Shaw, Gen. Zool. viii, 1811, p. 28: Java.

Buceros niger Vieill., Nov. Dict. d'Hist. Nat. iv, 1816, p. 592: Java.

Buceros annulatus Dumont, Dict. Sc. Nat. vi, 1817, p. 210: Java.

Distr.—Malay Peninsula.

Sumatra; Mansalar Island, West Sumatra.

Borneo.

Java; Bali.

Genus **ANORRHINUS** Reichenbach.

Anorrhinus galeritus (Temm.). Bushy-crested Hornbill.

Buceros galeritus Temminck, Pl. Col. 520, 1831: Sumatra.

Buceros carinatus Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 187: Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Genus **BERENICORNIS** Bonaparte.

Berenicornis comatus (Raffles). Long-crested Hornbill.

Buceros comatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 330: Sumatra.

? *Buceros lugubris* Begbie, Malay Peninsula, 1834, p. 513: Malay Peninsula=Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Genus **RHINOPLAX** Gloger.

Rhinoplax vigil (Forst.). Helmeted Hornbill.

Buceros vigil Forster, in Pennant, Ind. Orn. 1781, p. 40: Tenasserim.

Buceros scutatus Bodd., Tabl. Planch. Enlum. 1783, p. 55: on Pl. Enlum. 933.

Buceros galeatus Gmel., Syst. Nat. i, pt. 2, 1788, p. 360: on Pl. Enlum. 933.

Distr.—Malay Peninsula:

Sumatra.

Borneo.

¹ *Buceros pusaran* Raffles, Trans. Linn. Soc. xiii, 1822, p. 293 (Sumatra) is indeterminable.

Family UPUPIDÆ.

Genus **UPUPA** Linn.

Upupa epops Linn.

Hoopoe.

[**Upupa epops epops** Linn.

Upupa epops Linn., Syst. Nat. 10th ed. 1758, p. 117: Sweden.

Distr.—Extra-limital.]

Upupa epops saturata Lönn.

Upupa epops saturata Lönnberg, Arkiv. f. Zool. v, 1909, p. 29: Mongolia.

Distr.—Malay States.¹
Borneo.

Upupa epops longirostris Jerd.

Upupa longirostris Jerdon, Birds of India, i, 1862, p. 393: Burma.

Distr.—Malay Peninsula.
Sumatra.

Family MEROPIDÆ.

Genus **MEROPS** Linn.

Merops leschenaulti² Vieill.

Bay-headed Bee-eater.

Merops leschenaulti leschenaulti Vieill.

Merops leschenaulti Vieillot, Nov. Dict. d'Hist. Nat. xiv, 1817, p. 17: Java, error=Ceylon.

Distr.—Malay Peninsula.
Sumatra.³

Merops leschenaulti quinticolor Vieill.

Merops quinticolor Vieillot, Nov. Dict. d'Hist. Nat. xiv, 1817, p. 21: Ceylon, error=Java.

Merops urica Horsf., Trans. Linn. Soc. xiii, 1821, p. 172: Java.

Distr.—Java; Bali.

¹ Also occurs in South-west Siam and therefore almost certainly in Peninsular Siam. See Kozlova, Ibis, 1932, p. 589.

² *Merops erythrocephalus* Gmel. has been used for this species, but see Whistler, Journ. Bomb. Nat. Hist. Soc. xxxvii, 1935, p. 758.

³ Dr. W. L. Abbott considers that he saw this species on Simalur Island, West Sumatra.

Merops viridis Linn.

Chestnut-headed Bee-eater.

Merops viridis viridis Linn.

Merops viridis Linn., Syst. Nat. 12th. ed. i, 1766, p. 182 : Java.

Merops sumatranus Raffles, Trans. Linn. Soc. xiii, 1822, p. 294 : Sumatra.

Merops cyanopygius Less., Traité d'Orn. 1831, p. 238 : Sumatra.

Merops sumatranus cæligenus Bangs and Penard, Proc. New England Zool. Cl. viii, 1923, p. 43 : West Java.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton; Nias Island,
West Sumatra.

Borneo; North Natuna Islands; Karimata Islands.

Java.

Merops superciliosus Linn.

Brown-breasted Bee-eater.

[**Merops superciliosus superciliosus** Linn.]

Merops superciliosus Linn., Syst. Nat. 12th. ed. i, 1766, p. 183 :
Madagascar.

Distr.—Extra-limital.]

Merops superciliosus javanicus Horsf.

Merops javanicus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 171 :
Java.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; West Sumatran Islands of
Simalur, Nias, Siberut and Pagi.

Borneo.

Java; Bali; Kangean Islands.

Genus **NYCTIORNIS** Swainson.

Nyctiornis amicta (Temm.).

Red-breasted Bee-eater.

Merops amictus Temminck, Pl. Col. 310, 1824 : Bencoolen, Sumatra.

Nyctiornis malaccensis Cab. and Heine, Mus. Hein. ii, 1859, p. 133 :
Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Family CAPRIMULGIDÆ.

Genus **LYNCORNIS** Gould.

Lyncornis cerviniceps Gould.

Giant Nightjar.

Lyncornis cerviniceps cerviniceps Gould.

Lyncornis cerviniceps Gould, Icon. Av. pt. 2, 1838, pl. 14 : China,
error=Trang, Peninsular Siam (*Rob. and Kloss*, 1922).

Distr.—Malay Peninsula.¹

¹ Apparently as far south as Penang.

Lyncornis temminckii Gould. Great-eared Nightjar.

Lyncornis Temminckii Gould, Icon. Av. pt. 2, 1838: Borneo.

Caprimulgus pulcher Hay, Madras Journ. xiii, pt. 2, 1844, p. 161: Malacca.

Distr.—Malay States.

Sumatra; Banka.

Borneo.

Genus CAPRIMULGUS Linn.

Caprimulgus concretus Bp. Bornean Nightjar.

Caprimulgus concretus concretus Bp.

Caprimulgus concretus Bonaparte, Conspect. Gen. Av., i, 1850, p. 60: Borneo.

Caprimulgus borneensis "Wall.," Salvad., Ann. Mus. Civ. Gen. v, 1874, p. 117: S. Borneo.

**Caprimulgus mirificus* Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 7: Siak River, East Sumatra.

Distr.—Borneo.

Sumatra; Billiton.

Caprimulgus pulchellus Salvad. Salvadori's Nightjar.

Caprimulgus pulchellus pulchellus Salvad.

Caprimulgus pulchellus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 195: Padang, West Sumatra.

Distr.—Sumatra.

***Caprimulgus pulchellus bartelsi** Finsch.

Caprimulgus Bartelsi Finsch, Notes Leyd. Mus. xxiii, 1902, p. 148: West Java.

Distr.—Java.

Caprimulgus affinis Horsf. Allied Nightjar.

Caprimulgus affinis affinis Horsf.

Caprimulgus affinis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 142: Java.

Caprimulgus bisignatus Boie, Mus. Lugd., teste Cass., Cat. Capr. Mus. Philad. 1851:

Caprimulgus arundinaceus Jacq. and Puch., Voy. au Pôle Sud, Ois. p. 93, 1853: Borneo.

Caprimulgus faberi Meyer, Sitzungsber. Ges. Isis, i, 1884, p. 20: W. Sumatra.

Distr.—Sumatra; Billiton; Nias Island, West Sumatra.¹

Borneo.

Java; Bali; Karimon-Java Islands.

¹ Dr. Dammerman includes *affinis* in the avifauna of the Rhio Archipelago but no specimen has yet been obtained.

Caprimulgus macrurus¹ Horsf. Long-tailed Nightjar.

Caprimulgus macrurus macrurus Horsf.

Caprimulgus macrurus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 142: Java.

Caprimulgus salvadorii Sharpe, Proc. Zool. Soc. 1875, p. 99, pl. 22: Labuan.

Distr.—Borneo; Banguay Island, North Borneo.
Java; Bali.

Caprimulgus macrurus bimaculatus Peale.

Caprimulgus bimaculatus Peale, U.S. Exploring Expedn. viii, Mamm. and Ornith. 1848, p. 170: Singapore Island.

Caprimulgus macrurus anamesus Oberholser, Proc. U.S. Nat. Mus. xlviii, 1915, p. 593: Singapore Island.

Distr.—Malay States (north to Penang).
Sumatra; Rhio Archipelago.

Caprimulgus macrurus ambiguus Hartert.

Caprimulgus macrurus ambiguus Hartert, Ibis, 1896, p. 373: South Tenasserim (Kloss, 1918).

Distr.—Peninsular Siam.

Caprimulgus indicus Lath. Migratory Nightjar.

[**Caprimulgus indicus indicus** Lath.

Caprimulgus indicus Latham, Ind. Orn. ii, 1790, p. 588: India.

Distr.—Extra-limital.]

Caprimulgus indicus jotaka Temm. and Schleg.

Caprimulgus jotaka Temminck and Schlegel, Siebold's Fauna Japon. Aves, 1847, p. 37, pl. 12: Japan.

Distr.—Malay Peninsula.

Sumatra.

Borneo; at sea off the Natuna Islands.

Java.

Caprimulgus indicus innominatus Hume.²

Caprimulgus innominata Hume, Stray Feathers, iii, 1875, p. 318: Tenasserim.

Distr.—Peninsular Siam.

¹ Revision: Oberh., Proc. U.S. Nat. Mus. xlviii, 1915, p. 587.

² This race needs confirmation but there is some evidence for the recognition of a breeding race, smaller and darker than *jotaka*, in Indo-China and to it we tentatively refer specimens from the island of Terutau in the Straits of Malacca and from South Annam.

Family MICROPODIDÆ.

Genus **HEMIPROCNE** Nitzsch.

Hemiprocne longipennis (Rafin.). Crested Tree-Swift.

Hemiprocne longipennis longipennis (Rafin.).

Hirundo longipennis Rafinesque, Bull. Soc. Philorm. Paris, iii, 1802, p. 153: Java.

Hirundo Klecho Horsf., Trans. Linn. Soc. xiii, 1801, p. 143: Java.

Distr.—Java; Bali.

Hemiprocne longipennis harterti Stres.

Hemiprocne longipennis harterti Stresemann, Nov. Zool. xx, 1913, p. 339: Deli, North-east Sumatra.

Hemiprocne longipennis anochra Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 42: Bunguran Island, North Natuna Islands.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo; North Bornean Islands; North Natuna Islands; Karimata Islands.

***Hemiprocne longipennis perlonga** (Richm.).

Macropteryx perlonga Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 502: Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

***Hemiprocne longipennis ocyptera** Oberh.

Hemiprocne longipennis ocyptera Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 7: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

***Hemiprocne longipennis thoa** Oberh.

Hemiprocne longipennis thoa Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 8: Pinie Island, Batu Islands, West Sumatra.

Distr.—Batu Islands; Pagi Islands; Engano, West Sumatra.¹

Hemiprocne comata (Temm.).

Hemiprocne comata comata (Temm.).

Tufted Tree-Swift.

Cypselus comatus Temminck, Pl. Col. 268, 1824: Sumatra.

Distr.—Malay Peninsula; Anamba Islands (*vis.*).

Sumatra; Rhio Archipelago; Banka; West Sumatra Islands of Nias, Batu Islands, Siberut and Pagi Islands.

Borneo; North Natuna Islands.

¹ We have referred the Engano bird to the nearest race geographically but have never seen specimens from the island.

Genus **COLLOCALIA**¹ Gray.**Collocalia francica** (Gmel.). Grey-rumped Swiftlet.[**Collocalia francica francica** (Gmel.).*Hirundo francica* Gmelin, Syst. Nat. 1, pt. 2, 1789, p. 1017: Mauritius.*Distr.*—Extra-limital.]**Collocalia francica germani** Oust.²*Collocalia germani* Oustalet, Bull. Soc. Phil. Paris, 1876, p. 1: Condor Island, off CochinChina.*Distr.*—Malay Peninsula.Coasts of Sarawak and North Borneo.³**Collocalia francica amechana** Oberh.⁴*Collocalia francica amechana* Oberholser, Proc. U.S. Nat. Mus. lxii, 1912, p. 13: Jinaja Island, Anamba Islands.*Distr.*—South Malay Peninsula; Anamba Islands.**Collocalia francica perplexa** Riley.*Collocalia francica perplexa* Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 140: Maratua Island, East Borneo.*Distr.*—Maratua Islands, East Borneo.***Collocalia francica javensis** Stres.*Collocalia francica javensis* Stresemann, Bull. Raffles Mus., 6, 1931, p. 89: Cheribon, Java.*Distr.*—Java; Kangean Islands.***Collocalia francica bartelsi** Stres.*Collocalia francica bartelsi* Stresemann, Orn. Monatsber. xxxv, 1927, p. 46: North coast of West Java.*Distr.*—Java.⁵¹ Revision: Stres., Bull. Raffles Mus. 6, 1931, p. 83.² In North Borneo *C. francica germani* nests on Mantanani Island and on Berhala islet in Sandakan Harbour. Only a few miles away and within sight of Berhala, there are nesting colonies of *C. vestita maratua* on Goman-tong Hill. From the Maratua Islands, E. Borneo, Riley records both *C. f. perplexa* and *C. v. maratua*, and we therefore regard *francica* and *vestita* as "species", but otherwise, in our arrangement of this very difficult genus follow the latest reviewer, Dr. E. Stresemann in Bull. Raffles Mus., 6, 1931, p. 83.³ We have now examined large series of birds from these Bornean localities: they seem absolutely inseparable from true *germani*.⁴ This is the earliest name of which we are certain but *inexpectata* may be applicable to both this and *perplexa*. The rump is always at least slightly paler than the back but darker than in *germani*.⁵ "Breeding places probably off the North Coast of West Java," (Stresemann).

Collocalia vestita (Less.). Brown-rumped Swiftlet.

Collocalia vestita vestita (Less.).

Salangana vestita Lesson, Echo du Monde Savant, x, 1843, p. 134 : Sumatra.

Collocalia nidifica Gray, Gen. Birds, i, 1845, p. 55 : Sumatra.

Collocalia francica aerophila Oberh., Proc. U.S. Nat. Mus. xlii, 1912, p. 16 : Nias Island.

Collocalia francica natunae Stres., Orn. Monatsber. xxxviii, 1930, p. 181 : Bunguran Island, N. Natuna Islands.

Distr.—South Malay Peninsula.

Sumatra; Billiton; West Sumatran Islands of Sipora, Nias, and ? Simalur.

Natuna Islands.

Collocalia vestita maratua Riley.

Collocalia vestita maratua Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 141 : Maratua Island, East Borneo.

Distr.—Borneo; Maratua Islands, East Borneo.¹

Collocalia fuciphaga (Thun.). Thunberg's Swiftlet.

Collocalia fuciphaga fuciphaga (Thunb.).

Hirundo Fuciphaga Thunberg, Kongl. Vet. Acad. Handl. xxxiii, 1821, p. 153 : Java.

Hemiprocne salangana Streubel, Isis, 1848, p. 368 : Java.

Distr.—Java.

Collocalia (? *fuciphaga*) **innominata** Hume. Hume's Swiftlet.

Collocalia innominata Hume, Stray Feathers, i, 1873, p. 294 : South Andaman Islands.

Distr.—Malay States.

? Sumatra (West).

Collocalia lowi (Sharpe). Low's Swiftlet.

Collocalia lowi lowi (Sharpe).

Cypselus lowi Sharpe, Proc. Zool. Soc. 1879, p. 333 : Labuan Island, Borneo.

Distr.—Sumatra; Nias Island, West Sumatra.

Borneo (west and north).

Collocalia lowi robinsoni Stres.

Collocalia lowi robinsoni Stresemann, Bull. Raffles Mus., 6, 1931, p. 98 : Bilitung Island, south-west of Terutau Island, Straits of Malacca.

Distr.—Malay Peninsula; Anamba Islands.²

¹ Perhaps the Natuna race should be included under *maratua* which is slightly darker than typical *vestita*.

² We have not seen specimens from the Anamba Islands but as *robinsoni* breeds in the Tioman Archipelago the Anamba form is more likely to be *robinsoni* than *lowi*.

Collocalia lowi tichelmani Stres.

Collocalia brevirostris tichelmani Stresemann, Orn. Monatsber. xxxiv, 1926, p. 104: Tamaloeang, South-east Borneo.

Distr.—Borneo (south-east).

***Collocalia (? lowi) vulcanorum** Stres.

Collocalia brevirostris vulcanorum Stresemann, Mitt. Zool. Mus. Berlin xii, 1926, p. 352: West Java.

Distr.—Java (west).

Collocalia gigas Hart. and Butl.

Giant Swiftlet.

Collocalia gigas Hartert and Butler, Bull. Brit. Orn. Cl. xi, 1901, p. 65: Selangor, Malay States.

Distr.—Malay States.

Sumatra.

Java.

Collocalia esculenta (Linn.).

White-bellied Swiftlet.

[Collocalia esculenta esculenta (Linn.).

Hirundo esculenta Linn., Syst. Nat. 10th. ed. 1758, p. 191: Amboyna.

Distr.—Extra-limital.]

Collocalia esculenta linchi Horsf. and Moore.

Collocalia linchi Horsfield and Moore, Cat. Bds. Mus. East Ind. Coy. i, 1854, p. 100: Java.

Distr.—? Sumatra (south-east).

Java; Bali; Kangean Islands; Bawean Island.

Collocalia esculenta cyanoptila Oberh.

Collocalia linchi cyanoptila Oberholser, Proc. Acad. Nat. Sci. Philadelphia, 1906, p. 205: Bunguran Island, North Natuna Islands.

Distr.—Malay States.

? Sumatra (east);¹ Lingga Archipelago.

Borneo; North Natuna Islands.

Collocalia esculenta oberholseri Stres.

Collocalia linchi oberholseri Stresemann, Nov. Zool. xix, 1912, p. 348: North Pagi Island, West Sumatra.

Distr.—Sumatra (west); Nias Island and Mentawi Islands, West Sumatra.²

¹ Specimens from North-east Sumatra are small and are possibly nearer to *C. l. affinis* Beavan of the Andaman Islands than to *cyanoptila*: we have not seen *affinis*. *C. l. elachyptera* Oberh. (Mergui Arch.) probably occurs in Peninsular Siam.

² We have not seen specimens from Nias and place them with *oberholseri* purely on geographical grounds.

Collocalia esculenta dodgei Richm.

Collocalia dodgei Richmond, Smiths. Quart. ii, 1905, p. 431: Mt. Kinabalu, North Borneo.

Distr.—Borneo (mountains of the North).
Sumatra (Korinchi Peak).

Collocalia esculenta natalis Lister.

Collocalia natalis Lister Proc. Zool. Soc. 1888, p. 520: Christmas Island, Indian Ocean.

Distr.—Christmas Island, Indian Ocean.

Genus **CHÆTURA** Stephens.**Chætura caudacuta** (Lath.). White-throated Spinetail Swift.

[*Chætura caudacuta caudacuta* (Lath.).

Hirundo caudacuta Latham, Index Orn. Suppl. 1801, p. 57: New South Wales.

Distr.—Extra-limital.]

Chætura caudacuta nudipes Hodgs.

Chætura Nudipes Hodgson, Journ. Asiat. Soc. Bengal, v, 1836, p. 779: Nepal.

Distr.—Java.

Chætura caudacuta cochinchinensis Oust.

Chætura cochinchinensis Oustalet, Bull. Soc. Philom. Paris, 1878, p. 52: Saigon, Cochin China.

Hirundinapus klaesii Büttikofer, Notes Leyd. Mus. ix, 1887, p. 40: Padang Highlands, West Sumatra.

Distr.—Malay States.
Sumatra.
Java.

Chætura gigantea (Temm.). Spinetail Swift.**Chætura gigantea gigantea** (Temm.).

Cypselus giganteus Temminck, Pl. Col. 364, 1825: Java.

Distr.—Malay States.
Sumatra; Rhio Archipelago.
Borneo; North Natuna Islands.
Java.

Chætura gigantea indica Hume.

Chætura indica Hume, Stray Feathers, i, 1873, p. 471: Travancore.

Distr.—Malay States.

Chætura celebensis Scl.[**Chætura celebensis celebensis** Scl.*Chætura gigantea*, var. *celebensis* P. L. Sclater, Proc. Zool. Soc. 1865, p. 608: Menado, Celebes.*Distr.*—Extra-limital.]***Chætura celebensis ernsti** Bartels.¹

Bartel's Spinetail Swift.

Chætura ernsti Max Bartels Jr., Orn. Monatsber. xxxix, 1931, p. 54: Mt. Halimoen, West Java.*Distr.*—Java (west).**Chætura leucopygialis** (Blyth).

Grey-rumped Spinetail Swift.

Acanthylis leucopygialis Blyth, Journ. Asiat. Soc. Bengal, xviii, 1849, p. 809: Penang.*Acanthylis coracinus* Bp., Consp. Gen. Avium, i, 1850, p. 64: Borneo.*Distr.*—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java.

Genus **CYPSIURUS** Lesson.**Cypsiurus batasiensis** (J. E. Gray).

Palm Swift.

[**Cypsiurus batasiensis batasiensis** (J. E. Gray).*Cyp. Balasiensis* J. E. Gray, Griffith's Anim. Kingd. vii, 1829, p. 60: India.*Distr.*—Extra-limital.]**Cypsiurus batasiensis infumatus** (Sclat.).*Cypselus infumatus* Sclater, Proc. Zool. Soc. 1865, p. 602: Borneo.*Distr.*—Malay Peninsula; Tambelan Islands (*vis.*).

Sumatra.

Borneo.

Java; Bali.

Genus **MICROPUS** Wolf.**Micropus pacificus** (Lath.).

White-rumped Swift.

Micropus pacificus pacificus (Lath.).*Hirundo pacifica* Latham, Index Orn. Suppl. 1801, p. 58: New South Wales.*Distr.*—Malay Peninsula.Sumatra; Rhio Archipelago (*vis.*).

Java.

Micropus pacificus cooki (Har.).

Cypselus pacificus cooki Harington, Bull. Brit. Orn. Cl. xxxi, 1913,
p. 57 : North Shan States.

Distr.—Malay States.

Micropus affinis (J. E. Gray).

House-Swift.

[**Micropus affinis affinis** Gray.

Cypselus affinis J. E. Gray, in Gray and Hardwicke's Ill. Ind. Zool.
i, 1832, pl. 35 : Ganges.

Distr.—Extra-limital.]

Micropus affinis subfurcatus (Blyth).

Cypselus subfurcatus Blyth, Asiatic Soc. Bengal xviii, 1849, p. 807 :
Penang.

Cypselus leucopygius Cass., Proc. Ac. Phil. v, 1852, p. 58, pl. 13 :
Sumatra.

Distr.—Malay Peninsula; Anamba Islands (*vis.*).
Sumatra; Rhio Archipelago (*vis.*); Billiton.
Borneo; North Natuna Islands.
Java.

Family TROGONIDÆ.

Genus **HARPACTES** Swainson.

Harpactes diardii (Temm.).

Diard's Trogon.

Harpactes diardii diardii (Temm.).

Trogon diardii Temminck, Pl. Col. 541, 1832 : Borneo.

Distr.—Banka.

Borneo.

Harpactes diardii sumatranus Blas.

Harpactes diardi sumatranus Blasius, Mitt. Geogr. Ges. Nat. Mus.
Lubeck, 2 Reihe, Heft. 10, 1896, p. 95 : Sumatra.

Pyrotrogon neglectus Forbes and Robinson, Bull. Liverpool Mus. ii,
1900, p. 34 : Malacca.

Distr.—Malay Peninsula.

Sumatra.

Harpactes kasumba (Raffles).

Red-naped Trogon.

Harpactes kasumba kasumba (Raffles).

Trogon Kasumba Raffles, Trans. Linn. Soc. xiii, 1822, p. 282 :
Bencoolen, Sumatra.

Trogon Condea Cuv., Règ. An. i, 1829, p. 459 : Sumatra.

Trogon Temminckii Gould, Proc. Zool. Soc. 1835, p. 29 : Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Harpactes kasumba impavidus (Chas. and Kloss).

Pyrotrogon fasciatus impavidus Chasen and Kloss, Bull. Raffles Mus., 5, 1931, p. 84: Bettotan near Sandakan, British North Borneo.

Pyrotrogon kasumba usa Harrison and Hartley, Bull. B. O. Cl. liv. 1934, p. 150: Mt. Kalulong, Sarawak.

Distr.—Borneo.

Harpactes whiteheadi Sharpe.

Whitehead's Trogon.

Harpactes whiteheadi Sharpe, Ibis, 1888, p. 395, pl. 12: Mount Kinabalu, British North Borneo.

Distr.—Borneo (mountains).

Harpactes erythrocephalus (Gould).

Red-headed Trogon.

[*Harpactes erythrocephalus erythrocephalus* (Gould).

Trogon erythrocephalus Gould, Proc. Zool. Soc. 1834, p. 25: Rangoon.

Distr.—Extra-limital.]

Harpactes erythrocephalus chaseni Riley.¹

Harpactes erythrocephalus chaseni Riley, Proc. Biol. Soc. Wash. xlvii, 1934, p. 115: Semangko Pass, Selangor—Pahang boundary, Malay States.

Distr.—Malay States.

Harpactes erythrocephalus flagrans (Müll.).

Trogon flagrans Sal. Müller, Tijds. Nat. Ges. Phys. 1835, p. 338, pl. 8, fig. 2: Sumatra.

Distr.—Sumatra.

Harpactes duvaucelii (Temm.).

Red-rumped Trogon.

Trogon duvaucelii Temminck, Pl. Col. 291, 1824: Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo; North Natuna Islands.

¹ This race needs confirmation: as some recent authors have remarked the bird from the Malay States *ought* to be separable, but Robinson who worked through the species in 1927 saw no reason for separation and I have a recollection that he once told me that he could not separate a Malayan subspecies. I have never seen fresh skins of true *erythrocephalus*.

Harpactes orrhophaeus Cab. and Heine. Cinnamon-rumped Trogon.

Harpactes orrhophaeus orrhophaeus (Cab. and Heine).

Pyrotrogon orrophaeus Cabanis and Heine, Mus. Hein. iv, 1863, p. 156: Malacca.

Distr.—Malay States.¹
Sumatra.

Harpactes orrhophaeus vidua O.-Grant.

Harpactes vidua O.-Grant, Cat. Bds. Brit. Mus. xvii, 1892, p. 501: Mt. Dulit, North Sarawak, Borneo.

Distr.—Borneo.

Harpactes oreskios (Temm.).

Orange-breasted Trogon.

Harpactes oreskios oreskios (Temm.).

Trogon oreskios Temminck, Pl. Col. 181, 1823: Java.

Harpactes gouldii Swains., Class. Birds, ii, 1837, p. 337: New name for Pl. Col. "121" (=181).

Distr.—Java.

Harpactes oreskios uniformis Rob.

Pyrotrogon oreskios uniformis Robinson, Journ. Fed. Malay States Mus. vii, 1917, p. 149: Trang, Peninsular Siam.

Distr.—Malay Peninsula.
Sumatra.

Harpactes oreskios dulitensis O.-Grant.

Harpactes dulitensis O.-Grant, Cat. Bds. Brit. Mus. xvii, 1892, p. 502: Mt. Dulit, North Sarawak, Borneo.

Distr.—Borneo.

Harpactes reinwardtii (Temm.).

Reinwardt's Trogon.

Harpactes reinwardtii reinwardtii (Temm.).

Trogon Reinwardtii Temminck, Pl. Col. 124, 1823: Java.

Distr.—Java.

Harpactes reinwardtii mackloti (S. Müll.).

Trogon Mackloti Sal. Müller, Tijds. Nat. Gesch. Phys. 1835, p. 336, pl. 4, fig. 1: Sumatra.

Distr.—Sumatra.

¹ The specimen recorded by Müller from the Malay Peninsula probably came from the neighbourhood of Junk Seylon, Peninsular Siam. *T. rutilus* Vieill. and *T. cinnamomeus* Temm. are too uncertain for inclusion here.

Family CUCULIDÆ.

Genus **CLAMATOR** Kaup.**Clamator coromandus** (Linn.). Red-winged Crested Cuckoo.*Cuculus coromandus* Linn., Syst. Nat. 12th. ed. i, 1766, p. 171 :
Coromandel Coast.*Distr.*—Malay Peninsula.

Sumatra; Lingga Archipelago.

Borneo.

Java.

Genus **SURNICULUS**¹ Lesson.**Surniculus lugubris** (Horsf.). Black Drongo-Cuckoo.**Surniculus lugubris lugubris** (Horsf.).*Cuculus lugubris* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 179 :
Java.*Cuculus albopunctulatus* Drap., Dict. Class. Hist. Nat. iv, 123, p. 570 :
Java.*Distr.*—Java; Bali.**Surniculus lugubris brachyurus** Stres.*Surniculus lugubris brachyurus* Stresemann, Nov. Zool. xx, 1913,
p. 340 : Pahang, Malay States.*Distr.*—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Banka.

Borneo.

Surniculus lugubris dicruroides (Hodgs.).*Pseudornis dicruroides* Hodgson, Journ. Asiat. Soc. Bengal, viii,
1839, p. 136 : Nepal.**Surniculus lugubris massorhinus* Oberholser, Journ. Wash. Acad. Sci.
xiv, 1924, p. 300 : Siak River, East Sumatra.*Distr.*—Malay Peninsula.Sumatra.²

North Natuna Islands.

***Surniculus lugubris barussarum** Oberh.*Surniculus lugubris barussarum* Oberholser, Smiths. Misc. Coll. 1x,
7, 1912, p. 5 : Tana Bala Island, Batu Islands.*Distr.*—Batu Islands, West Sumatra; Nias (? subspecies).¹ Revisions : Stres., Nov. Zool. xx, 1913, p. 340; Baker, Nov. Zool. xxvi,
1919, p. 291.² Specimens examined from N. E. Sumatra.

Genus **HIEROCOCCYX** S. Müller.**Hierococcyx sparverioides** (Vig.). Large Hawk-Cuckoo.**Hierococcyx sparverioides sparverioides** (Vig.).*Cuculus sparverioides* Vigors, Proc. Comm. Zool. Soc. i, 1832, p. 173: Simla.*Distr.*—Malay Peninsula.

Borneo.

Sumatra.

Java.

Hierococcyx sparverioides bocki Wardl. Rams.*Hierococcyx bocki* Wardlaw Ramsay, Ibis, 1886, p. 157: Mt. Sago, West Sumatra.*Distr.*—Malay States.

Sumatra.

Borneo.

Hierococcyx fugax (Horsf.). Malayan Hawk-Cuckoo.**Hierococcyx fugax fugax** (Horsf.).¹*Cuculus fugax* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 178: Java.*Distr.*—Malay Peninsula.

Sumatra; Rhio Archipelago; Billiton.

Borneo; Karimata Islands.

Java.

Hierococcyx fugax nasicolor (Blyth).*Cuculus nasicolor* Blyth, Journ. Asiat. Soc. Bengal xii, 1843, p. 943: Nepal.*Distr.*—Malay Peninsula.Sumatra; Billiton; Siberut Island, West Sumatra.²

Java.

Hierococcyx fugax hyperythrus (Gould).*Cuculus hyperythrus* Gould, Proc. Zool. Soc. 1856, p. 96: Shanghai.*Distr.*—Borneo.

¹ Although we have recently recognised *fugax* and *nasicolor* as distinct and have given characters for their recognition there remains an element of doubt in our minds as to whether or not they should be united as one immigrant race in which case *H. vagans* could be regarded as a small southern resident form of the same species. Most of the *fugax* examined by us are females and most of the *nasicolor* males.

² A form of *H. fugax* also occurs in Banka.

CUCULIDÆ.

Hierococcyx vagans (S. Müll.).¹ Small Hawk-Cuckoo.

Cuculus vagans S. Müller, Verh. Nat. Gesch. Land en Volk. 1845, p. 233, note : Java.

Distr.—Malay Peninsula.

Borneo.

Java.

Genus **CUCULUS** Linn.

Cuculus micropterus Gould.

Indian Cuckoo.

Cuculus micropterus micropterus Gould.

Cuculus micropterus Gould, Proc. Zool. Soc. 1837, p. 137 : Himalayas.

Cuculus affinis "Hay", Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 18 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Banka.

Borneo.

Java; Thousand Islands.

Cuculus micropterus concretus S. Müll.

Cuculus concretus S. Müller, Verh. Nat. Gesch., Land en Volk. 1845, p. 236 : Borneo.

Distr.—Borneo.

Sumatra.

Java.

Cuculus canorus Linn.

Common Cuckoo.

[**Cuculus canorus canorus** Linn.

Cuculus canorus Linn., Syst. Nat. 10th ed. 1758, p. 110 : Sweden.

Distr.—Extra-limital.]

Cuculus canorus telephonus Heine.²

Cuculus telephonus Heine, Journ. f. Orn. 1863, p. 352 : Japan.

Distr.—Malay States.

Sumatra; Lingga Archipelago.

Borneo.

Java; Bawean Island.

¹ This is *Hierococcyx nanus* Hume, Stray Feathers, v, 1877, p. 490 : South Tenasserim.

² The following names are uncertain but may apply to this bird.—*C. assimilis* Brehm, Isis, 1843, p. 893 (Java); *C. striatus* Drap., Dict. Class. d'Hist. Nat. iv, 1843, p. 570 (Java); *C. canoroides* S. Müll., Verh. Nat. Gesch. Land en Volk. 1845, p. 235 (Java).

Cuculus optatus Gould.¹

Gould's Cuckoo.

Cuculus optatus Gould, Proc. Zool. Soc. 1845, p. 18: North Australia.*Cuculus horsfieldi* "Moore", Horsfield and Moore, Cat. Bds. Mus. East Ind. Coy. ii, 1858, p. 703: Java.*Distr.*—Malay States.

Sumatra; Nias Island, West Sumatra.

Borneo.

Java; Bali.

Cuculus poliocephalus Lath.

Small Cuckoo.

[Cuculus poliocephalus poliocephalus Lath.*Cuculus poliocephalus* Latham, Index Orn. i, 1790, p. 214: India.*Distr.*—Extra-limital.]**Cuculus poliocephalus insulindae** Hartert.*Cuculus intermedius insulindae* Hartert, Vög. pal. Fauna, ii, 1912, p. 952: Mt. Kinabalu, North Borneo.*Distr.*—Borneo.²**Cuculus poliocephalus lepidus** S. Müll.*Cuculus lepidus* S. Müller, Verh. Nat. Gesch. Land en Volk. 1845, p. 236: Timor.*Distr.*—Malay States.Sumatra.³

Java; Bali.

Genus **PENTHOCERYX**⁴ Cabanis and Heine.**Penthoceryx sonneratii** (Lath.).

Banded Bay Cuckoo.

[Penthoceryx sonneratii sonneratii (Lath.).*Cuculus Sonneratii* Latham, Index Orn. i, 1790, p. 215: Bengal.*Distr.*—Extra-limital.]**Penthoceryx sonneratii malayanus** Chas. and Kloss.*Penthoceryx sonneratii malayanus* Chas. and Kloss, Bull. Raffles Mus., 5, 1931, p. 84: Kuala Lumpur, Selangor, Malay States.*Distr.*—Malay Peninsula (not extreme south).

¹ *C. saturatus* Blyth, Journ. As. Soc. Bengal, xii, 1843, p. 942 (India) is possibly the name for this bird, but *optatus* is the first name of certain application. Also occurs in South-west Siam and therefore almost certainly in Peninsular Siam.

² The Bornean form is separable from *lepidus* of Java on account of the darker grey parts of the plumage.

³ The few birds from Sumatra seen by us (together with those from the Lesser Sunda Islands) seem nearer to *lepidus* than to *insulindae*. Some are *lepidus* > *insulindae*.

⁴ Cf. Baker, Bull. B. O. Cl. xxxix, 1919, p. 45.

CUCULIDÆ.

Penthoceryx sonneratii fasciolatus (S. Müll.).

Cuculus fasciolatus S. Müller, Verh. Nat. Gesch., Land en Volk, 1843, p. 177: Sumatra.

Distr.—Malay States (extreme south).
Sumatra; Rhio Archipelago.
Borneo.

Penthoceryx sonneratii musicus (Ljungh).

Cuculus musicus Ljungh, Kongl. Vet. Acad. Handl. xxiv, 1804, p. 309, Taf. 6: Batavia, Java.

Cuculus pravata Horsf., Trans. Linn. Soc. xiii, 1821, p. 179: Java.

Cuculus rufo-vittatus Drap., Dict. Class. d'Hist. Nat. iv, 1823, p. 568: Java.

Distr.—Java.

Genus **CACOMANTIS**¹ S. Müller.

Cacomantis merulinus (Scop.).

Brain-fever Bird.

[**Cacomantis merulinus merulinus** (Scop.).

Cuculus merulinus Scopoli, Del Flor. et Faun. Insubr. ii, 1786, p. 89: Panay Island, Philippines.

Distr.—Extra-limital.]

Cacomantis merulinus querulus Heine.

Cacomantis querulus Heine, Journ. f. Orn. 1863, p. 352: Nepal.

Distr.—Malay Peninsula.²

Cacomantis merulinus threnodes Cab. and Heine.

Cacomantis threnodes Cabanis and Heine, Mus. Hein. iv, 1862, p. 19: Malacca.

Cacomantis dysonymus Heine, Journ. f. Orn. 1863, p. 352: Borneo.

Distr.—Malay States.

Sumatra; West Sumatran Islands of Siberut and Engano.
Borneo.

Cacomantis merulinus lanceolatus (S. Müll.).

Cuculus lanceolatus S. Müller, Verh. Nat. Gesch., Land en Volkenk. 1843, p. 178: Java.

Distr.—Java.

***Cacomantis merulinus subpallidus** Oberh.

Cacomantis merulinus subpallidus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 4: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

¹ Revisions: Stres., Nov. Zool. xix, 1913, p. 332; Hart., Nov. Zool. xxxii, 1925, p. 164.

² *C. m. threnodes* and *C. m. querulus* inosculate in the north of the Malay States.

Cacomantis variolosus (Vig. and Horsf.). Fan-tailed Cuckoo.

[**Cacomantis variolosus variolosus** (Vig. and Horsf.).

Cuculus variolosus Vigors and Horsfield, Trans. Linn. Soc. xv, 1827, p. 300: New South Wales.

Distr.—Extra-limital.]

Cacomantis variolosus sepulcralis (S. Müll.).

Cuculus sepulcralis S. Müller, Verh. Nat. Gesch. Land en Volk. 1843 p. 177: Java.

Distr.—Malay Peninsula.

Sumatra; Simalur Island, West Sumatra; Billiton.

Borneo.

Java; Bali.

Genus **CHALCITES**¹ Lesson.

Chalcites xanthorhynchus (Horsf.). Violet Cuckoo.

Chalcites xanthorhynchus xanthorhynchus (Horsf.).

Cuculus xanthorhynchus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 179: Java.

Distr.—Malay Peninsula.²

Sumatra; Lingga Archipelago.

Borneo; North Natuna Islands.

Java.

Chalcites xanthorhynchus bangueyensis Chas. and Kloss.³

Chalcites (Chalcococcyx) xanthorhynchus bangueyensis Chasen and Kloss, Journ. f. Ornith. 1929, ii, p. 109: Banguay Island, North Borneo.

Distr.—Banguay Island.

Chalcites maculatus (Gmel.).⁴ Emerald Cuckoo.

Trogon maculatus Gmelin, Syst. Nat. i, 1788, p. 404: Ceylon.

Distr.—Malay Peninsula.

Sumatra.

¹ Revision: Hart. and Stres., Nov. Zool. xxxii, 1925, p. 158.

² The largest specimen we have is a female with a wing-length of 106 mm. from Trang, Peninsular Siam. If there is a large northern race it will stand as *C. x. limborgi* Tweeddale, Proc. Zool. Soc. 1877, p. 366: Tenasserim.

³ This is a poor race and we have now seen one or two specimens like topotypes from elsewhere. For the present it can stand on average characters: it seems likely that the name will eventually have to be used to cover a non-Javan Malaysian race. Good series of topotypical *xanthorhynchus* seem not to exist.

⁴ This is an extremely rare bird in the Malay States and furthermore only a seasonal visitor: Mr. Stuart Baker's remarks on Malayan birds in Fauna Brit. Ind., Bds., 2nd ed. iv, 1927, p. 162, seem to apply to another species. For a discussion concerning the type locality for which "Pegu" was proposed by Robinson and Kloss in 1923, see Whistler, Journ. Bomb. Nat. Hist. Soc. xxxvii, 1934, p. 521.

Chalcites basalis (Horsf.).

Bronze Cuckoo.

Cuculus basalis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 179 :
Java.*Cuculus chalcites* Temm., Pl. Col. 102, fig. 2, 1823 : l'Océanie=Java
(Mathews).*Cuculus neglectus* Schleg., Mus. Pays-Bas, Cuculi, 1864, p. 35=Borneo.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Java; Bali; Kangean Islands; Christmas Island.

Chalcites malayanus (Raffles).

Malay Cuckoo.

Chalcites malayanus malayanus (Raffles).*Cuculus malayanus* Raffles, Trans. Linn. Soc. xiii, 1822, p. 286 :
Malay Peninsula.

Distr.—Malay Peninsula.

Sumatra.

Borneo; Maratua Islands, East Borneo.

Java.

Genus **EUDYNAMYS** Vigors and Horsfield.**Eudynamys scolopaceus** (Linn.).

Koel.

Eudynamys scolopaceus scolopaceus (Linn.).*Cuculus scolopaceus* Linn., Syst. Nat. 10th. ed. 1758, p. 111 : Bengal.

Distr.—Malay Peninsula.

South Natuna Islands.

Eudynamys scolopaceus malayanus Cab. and Heine.¹*Eudynamis malayana* Cabanis and Heine, Mus. Hein. iv, 1862,
p. 52 : Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; West Sumatran Islands
of Simalur, Babi, Lasia (*vis.*), Nias and Pagi.

Borneo; Karimata Islands; North Natuna Islands.

Java; Thousand Islands; Karimon-Java Islands; Kangean
Islands; Bawean Island.

¹ Excluding obviously immature, doubtful or moulting birds the adult females of our large series of this cuckoo are readily divisible into two well defined groups. One of these consists of comparatively large rufous birds with the bill relatively robust: these we regard as *malayana*. The other section includes rather smaller birds in which the markings on the plumage are white and the bill less robust. These we have listed as *scolopacea*, but the wing-range of these birds is very large for one race and perhaps specimens of *chinensis* Cab. are included. All our records of localities based on literature and not skins are included above under *malayana* as this is the common form: our material comes from the Malay Peninsula and Natuna Islands only.

Genus **CENTROPUS** Illiger.

Centropus rectunguis Strickl. Malaysian Crow-Pheasant.

Centropus rectunguis Strickland, Proc. Zool. Soc. 1846, p. 104 :
Malacca.

Distr.—Malay States.

Sumatra.

Borneo.

Centropus sinensis¹ (Steph.). Crow-Pheasant or Coucal.

[**Centropus sinensis sinensis** (Steph.).

Polophilus sinensis J. F. Stephens in Shaw, Gen. Zool. (Aves), ix,
1815, p. 51 : Ningpo, China (*restr. Siresemann, 1913*).

Distr.—Extra-limital.]

Centropus sinensis intermedius (Hume).

Centrococcyx intermedius Hume, Stray Feathers, i, 1873, p. 454 :
Thayetmyo, Burma.

Distr.—Peninsular Siam.

Centropus sinensis bubutus Horsf.

Centropus Bubutus Horsfield, Trans. Linn. Soc. Lond. xiii, 1821,
p. 180 : Java.

Centropus philippensis javanica Horsfield, Zool. Res. Java, 1823, text
to pl. 60 : new name for *C. bubutus*.

Distr.—Java; Bali; Kangean Islands.

Centropus sinensis eurycercus Hay.

Centropus eurycercus Hay, Journ. Asiat. Soc. Bengal, xiv, 1845,
p. 551 : Malacca.

Centrococcyx acheenensis Hume, Stray Feathers, vi, 1878, p. 171 :
Acheen, North Sumatra.

Distr.—Malay Peninsula.

Sumatra; West Sumatran Islands of Nias and Siberut.

Borneo; North Natuna Islands.

Centropus bengalensis² (Gmel.). Lesser Crow-Pheasant or Coucal.

[**Centropus bengalensis bengalensis** (Gmel.).

Cuculus bengalensis Gmelin, Syst. Nat. i, pt. 1, 1788, p. 412 :
Bengal.

Distr.—Extra-limital.]

¹ Revision : Stres., Nov. Zool. xx, 1913, p. 321.

² Revision : Stres., Nov. Zool. xix, 1912, p. 336.

Centropus bengalensis javanicus (Dum.).*Cuculus javanicus* Dumont, Dict. Sci. Nat. 11, 1818, p. 144: Java.*Centropus lepidus* Horsf., Trans. Linn. Soc. xiii, 1821, p. 180: Java.*Centropus affinis* Horsf., Trans. Linn. Soc. xiii, 1821, p. 180: Java.*Centropus pumilus* Less., Traité d'Orn. 1831, p. 136: Java, Sumatra = Sumatra.*Distr.*—Malay Peninsula.

Sumatra; Banka; Rhio Archipelago.

Borneo; North Natuna Islands.

Java; Bali.

***Centropus nigrorufus** (Cuv.). Sunda Island Crow-Pheasant.*Cuculus nigrorufus* Cuvier, Règne An. i, 1817, p. 426: Java.*Centropus purpureus* Shelley, Cat. Bds. Brit. Mus. xix, 1891, p. 348: Sumatra.*Distr.*—Sumatra.

Java.

Centropus celebensis Quoy and Gaimard. Celebes Crow-Pheasant.**[Centropus celebensis celebensis** Quoy and Gaim.*Centropus celebensis* Quoy and Gaimard, Voy. Astrol. i, 1830, p. 230, pl. 20: Minahassa, North Celebes.*Distr.*—Extra-limital.]***Centropus celebensis kangeangensis** Vorderm.*Centropus kangeangensis* Vorderman, Nat. Tijdschr. Ned. Ind. lii, 1893, p. 190: Kangean.*Distr.*—Kangean Islands.Genus **ZANCLOSTOMUS** Swainson.**Zanclostomus javanicus** (Horsf.). Red-billed Malkoha.**Zanclostomus javanicus javanicus** (Horsf.).*Phoenicophaeus Javanicus* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 178: Java.*Coccyzus rubirostris* Drap., Dict. Class. Hist. Nat. iv, 1823, p. 558: Java.*Piaya chrysogaster* Less., Traité d'Orn. 1830, p. 140: La Guiane error = Java.*Piaya erythrorhyncha* Less., Traité d'Orn. 1830, p. 141: Java.*Distr.*—Java.**Zanclostomus javanicus pallidus** Rob. and Kloss.*Zanclostomus javanicus pallidus* Robinson and Kloss, Journ. Fed. Mal. States Mus. x, 1921, p. 203: Kedah Peak, Malay States.*Distr.*—Malay Peninsula.

Sumatra.

Borneo.

Zanclostomus javanicus natunensis Chas.

Zanclostomus javanicus natunensis Chasen, Bull. Raffles Mus. 9,
1934, p. 94 : Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

Genus **RHOPODYTES** Cabanis and Heine.**Rhopodytes tristis** (Less.). Large Green-billed Malkoha.

[**Rhopodytes tristis tristis** (Less.).

Melias tristis Lesson, Traité d'Orn. 1830, p. 132 : Bengal.

Distr.—Extra-limital.]

Rhopodytes tristis longicaudatus (Blyth).

Phœnicophæus longicaudatus Blyth, Journ. Asiat. Soc. Bengal, x,
1841, p. 923 : Moulmein.

Distr.—Malay Peninsula.

Rhopodytes tristis elongatus (S. Müll.).

Phœnicophæus elongatus Sal. Müller, Tijds. Nat. Ges. Phys. 1835,
p. 342, pl. 4, fig. 5 : West Sumatra.

Distr.—Sumatra.

***Rhopodytes tristis kangeangensis** Vord.

Rhopodytes kangeangensis Vorderman, Nat. Tijdschr. Ned. Ind. lii,
1893, p. 188 : Kangean.

Distr.—Kangean Islands.

Rhopodytes diardi (Less.). Small Green-billed Malkoha.**Rhopodytes diardi diardi** (Less.).

Melias diardi Lesson, Traité d'Orn. 1830, p. 132 : Sumatra.

Phœnicophæus nigriventris Peale, U.S. Explor. Exped. viii, 1848, p. 140 :
Singapore.

Distr.—Malay Peninsula.
Sumatra.

Rhopodytes diardi borneensis Salvad.

Rhopodytes borneensis Salvadori, Ann. Mus. Civ. Gen. v, 1874,
p. 72 : Borneo.

Distr.—Borneo.

Rhopodytes sumatranus (Raffles). Rufous-bellied Malkoha.

Cuculus sumatranus Raffles, Trans. Linn. Soc. xiii, 1822, p. 287 :
Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelago; Billiton and
Mendanau Islands; Banka.

Borneo; North Natuna Islands.

Genus **RHINORTHA** Vigors.**Rhinortha chlorophæa** (Raffles). Raffles' Green-billed Malkoha.*Cuculus chlorophæus* Raffles, Trans. Linn. Soc. xiii, 1822, p. 288 : Sumatra.*Phenicophaus caniceps* Vig., Mem. Raffles. App. 1830, p. 671 : Sumatra.*Bubutus Duvaucelii* Less., Traité d'Orn. 1830, p. 143 : Sumatra.*Bubutus Isidori* Less., Traité d'Orn. 1830, p. 143 : no loc. = Sumatra.*Cuculus sumatrensis* Less., Traité d'Orn. 1830, p. 143 : as synonym.*Phenicophaus chlorocephalus* Eyton, Proc. Zool. Soc. 1839, p. 105 : new name for *C. chlorophæa*.*Phenicophaus viridirostris* Eyton, Proc. Zool. Soc. 1839, p. 105 : Malaya = Malacca.*Phenicophaus lucidus* Blyth, Journ. Asiat. Soc. Beng. xiii, 1844, p. 390 = Malacca.*Anadanus ruficauda* Peale, U.S. Explor. Exp. 1848, p. 142, pl. 39 : Singapore.*Rhinortha chlorophæa fuscigularis* Baker, Bull. Brit. Orn. Cl. xxxix, 1919, p. 77 : Borneo.

Distr.—Malay Peninsula.

Sumatra; Banka.

Borneo; North Bornean Islands.

Genus **PHENICOPHAUS** Vieillot.**Phenicophaus curvirostris** (Shaw and Nodd.). Chestnut-breasted Malkoha.**Phenicophaus curvirostris curvirostris** (Shaw).*Cuculus curvirostris* Shaw, Nat. Misc. 1810, pl. 905 : West Java.*Phenicophaus tricolor* Steph., Gen. Zool. ix, 1815, p. 61, pl. 14 : Africa error = Java.*Phenicophaus viridis* Vieill., Nov. Dict. d'Hist. Nat., xviii, 1818, p. 462 : Java.*Phenicophaus melanognathus* Horsf., Trans. Linn. Soc. xiii, 1821, p. 178 : Java.*Phenicophaus viridirufus* Bp., Consp. Gen. Av., i, 1850, p. 98 : Java.

Distr.—Java (west and central).

Phenicophaus curvirostris deningeri Stres.*Phoenicophaes curvirostris deningeri* Stresemann, Nov. Zool. xx, 1913, p. 347 : Bali.

Distr.—Java (east); Bali.

Phenicophaus curvirostris borneensis (Blas. and Nehr.).*Rhamphococcyx erythrogathus* var. *borneensis* Blasius and Nehrhorn, Jahresbr. des Vereins Nat. Braunschweig, 1881, p. 19 : Sarawak.*Phoenicophaes microrhinus* Berlepsch, Nov. Zool. ii, 1895, p. 70 : Borneo.

Distr.—Borneo; North Bornean Islands; North Natuna Islands.

Phœnicophaus curvirostris erythrognathus Bp.

Phœnicophaeus erythrognathus Bonaparte, Consp. Gen. Avium, i, 1850, p. 98: Sumatra.

Rhamphococcyx curvirostris singularis Parrot, Abh. Kon. Bay. Akad. Wiss. xxiv, 1907, p. 186: Sumatra.

Distr.—Malay Peninsula; Anamba Islands.
Sumatra; Banka.

Phœnicophaus curvirostris œneicaudus J. and E. Verr.

Phœnicophaeus œneicaudus J. and E. Verreaux, Rev. Mag. Zool. 1855, p. 357: Ceylon error=Sipora Island, West Sumatra; (*Chas. and Kloss, 1926.*)

Distr.—Siberut, Sipora, North and South Pagi Islands, Mentawi Group, West Sumatra.

Genus **CARPOCOCCYX** G. R. Gray.

Carpococcyx radiatus (Temm.).

Pheasant-Cuckoo.

Carpococcyx radiatus radiatus (Temm.).

Calobates radiceus Temminck, Pl. Col. 538, 1832: Borneo.

Distr.—Borneo.

Carpococcyx radiatus viridis Salvad.

Carpococcyx viridis Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 187: Sumatra.

Distr.—Sumatra.

Family **INDICATORIDÆ**.

Genus **INDICATOR** Stephens.

Indicator archipelagicus Temm.

Honey-Guide.

Indicator archipelagicus Temminck, Pl. Col. 542, fig. 1, 1832: Borneo.

Indicator malayanus Sharpe, Proc. Zool. Soc. 1878, p. 794: Malacca.

Indicator archipelagicus inornatus Neumann, Bull. Brit. Orn. Cl. xxi, 1908, p. 97: Klang, Selangor, Malay Peninsula.

Distr.—Malay Peninsula.
Sumatra.
Borneo.

Family CAPITONIDÆ.

Genus **CALORHAMPHUS** Lesson.

Calorhamphus fuliginosus¹ (Temm.). Brown Barbet.

Calorhamphus fuliginosus hayi (J. E. Gray).

Bucco hayi J. E. Gray, Zool. Misc. 1832, p. 33 : Malacca.

Caloramphus sanguinolentus Lesson, Rev. Zool. 1839, p. 139 : Sumatra.

Megalorhynchus spinosus Eyton, Proc. Zool. Soc. 1839, p. 106 : Malacca

Distr.—Malay Peninsula.

Sumatra.

Calorhamphus fuliginosus fuliginosus (Temm.).

Mycropogon fuliginosus Temminck, Pl. Col. text, livr. 83, 1830 :

West Borneo (restr. Pontianak).

Distr.—Borneo (not north).

Calorhamphus fuliginosus tertius Chas. and Kloss.

Calorhamphus fuliginosus tertius Chasen and Kloss, Journ. f. Ornith.

1929, ii, p. 110 : Bettotan near Sandakan, British North Borneo.

Distr.—Borneo (north).

Genus **CHOTOREA** Bonaparte.

Chotorea corvina (Temm.). Brown-throated Barbet.

Bucco corvinus Temminck, Pl. Col. 522, 1830 : Java.

Distr.—Java (west and central).

Chotorea chrysopogon (Temm.). Gold-whiskered Barbet.

Chotorea chrysopogon chrysopogon (Temm.).

Bucco chrysopogon Temminck, Pl. Col. 285, 1824 : Sumatra.

Distr.—Sumatra.

Chotorea chrysopogon laeta Rob. and Kloss.

Chotorea chrysopogon laetus Robinson and Kloss, Journ. Fed.

Malay States Mus. viii, p. 2, 1918, p. 141 : Bukit Tangga, Negri Sembilan, Malay States.

Distr.—Malay Peninsula.

¹ *Bucco lathamii* Gmel. may apply to a form of this species, but Latham's "Buff-faced Barbet" on which *lathamii* was founded is described and figured with long rictal bristles : there is consequently a strong element of doubt about its identification, and we think it is more likely to be *Tetragonops frantzi* Scl., than *Xantholama hæmatocephala* P. L. S. Müll., in the synonymy of which it has been placed.

Chotorea chrysopogon chrysopsis (Goff.).

Megalaima chrysopsis Goffin, Mus. Pays-Bas, Buccones, 1863, p. 15 : Borneo.

Distr.—Borneo.

Chotorea javensis (Horsf.).

Black-banded Barbet.

Bucco javensis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 181 : Java.

Bucco kotorea Temm., Pl. Col. livr. 88, 1831 : Java.

Bucco tristis Drap., Dict. Class. Hist. Nat. ii, 1822, p. 195 : Java.

Distr.—Java.

Chotorea mystacophanes (Temm.).

Gaudy Barbet.

Chotorea mystacophanes mystacophanes (Temm.).

Bucco mystacophanos Temminck, Pl. Col. 315, 1824 : Sumatra.

Bucco quadricolor Eyton, Proc. Zool. Soc. 1839, p. 105 : Malacca.

Cyanops mystacophanes aurantiifrons Rob. and Kloss, Journ. Nat. Hist. Soc. Siam, iii, 1919, p. 100 : Ghibi, Peninsular Siam.

Distr.—Malay Peninsula.

Sumatra.

Chotorea mystacophanes humei (C. and G. Marshall).

Megalaema humei C. and G. Marshall, Ibis, 1870, p. 536 : Sarawak.

Distr.—Borneo.

***Chotorea mystacophanes ampala** Oberh.

Chotorea mystacophanes ampala Oberholser, Smiths. Misc. Coll. 1x, 7, 1912, p. 6 : Tana Bala Island, Batu Islands, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Chotorea rafflesii (Less.).

Many-coloured Barbet.

Chotorea rafflesii rafflesii (Less.).

Bucco Rafflesii Lesson, Rev. Zool. 1839, p. 137 : Sumatra.

Bucco versicolor (nec P. L. S. Müller, 1776) Raffles, Trans. Linn. Soc. xiii, 1820, p. 284 : Sumatra.

Distr.—Sumatra; Banka.

Chotorhea rafflesii malayensis Chas.

Chotorhea rafflesii malayensis Chasen, Ornith. Monatsber. 1935, p. 147 : Pulau Ubin near Singapore.

Distr.—Malay Peninsula.

Chotorhea rafflesii billitonis Chas.

Chotorhea rafflesii billitonis Chasen, Ornith. Monatsber. 1935, p. 147 : Billiton Island.

Distr.—Billiton; Mendanau.

Chotorea rafflesii borneensis Blas.

Chotorea versicolor borneensis Blasius, Verh. z. b. Ges. Wien, xxxiii, 1883, p. 25: South-east Borneo.

Distr.—Borneo.

Genus **CYANOPS** Bonaparte.**Cyanops asiatica** (Lath.).

Blue-throated Barbet.

[**Cyanops asiatica asiatica** (Lath.).

Trogon asiaticus Latham, Index Orn. i, 1790, p. 201: India.

Distr.—Extra-limital.]

Cyanops asiatica chersonesus Chas. and Kloss.

Cyanops asiatica chersonesus Chasen and Kloss, Bull. Brit. Orn. Cl. xlviii, 1927, p. 46: Khao Luang, Nakawn Sritarmarat, Peninsular Siam.

Distr.—Peninsular Siam.

Cyanops armillaris (Temm.).

Blue-crowned Barbet.

Cyanops armillaris armillaris (Temm.).

Bucco armillaris Temminck, Pl. Col. 89, 1823: Java: restr. Province of Bantam, West Java.

Distr.—Java (west and central).

Cyanops armillaris baliensis Rensch.

Cyanops armillaris baliensis Rensch, Orn. Monatsber. xxxvi, 1828, p. 80: Bali.

Distr.—Java (extreme east);¹ Bali.

Cyanops armillaris henricii (Temm.).

Bucco henricii Temminck, Pl. Col. 524, 1831: Sumatra.

Bucco malaccensis Hartl., Rev. Zool. 1842, p. 336: Malacca.

Distr.—Malay States.

Sumatra.

Cyanops armillaris brachyrhyncha Neum.

Cyanops henricii brachyrhyncha Neumann, Bull. Brit. Orn. Cl. xxiii, 1908, p. 30: Baram, Sarawak.

Distr.—Borneo.²

¹ A large series from Banjoewangi, East Java, seems just separable on average characters, from *armillaris* of West Java.

² *C. henricii* seems to be rare in its type locality and we have never been able to compare a series of topotypes with birds from the Malay States and Borneo.

Cyanops armillaris pulcherrima (Sharpe). Yellow-headed Barbet.
Megalæma pulcherrima Sharpe, Ibis, 1888, p. 393; Mt. Kinabalu,
 North Borneo.

Distr.—Borneo.

Cyanops franklinii (Blyth). Golden-throated Barbet.

[**Cyanops franklinii franklinii** (Blyth).

Bucco Franklinii Blyth, Journ. Asiat. Soc. Beng. xi, 1842, p. 167 :
 Darjeeling.

Distr.—Extra-limital.]

Cyanops franklinii minor Chas. and Kloss.

Cyanops franklini minor Chasen and Kloss, Bull. Brit. Orn. Cl. xlvii,
 1926, p. 57 : Mt. Ijau, Perak, Malay States.

Distr.—Malay States.

***Cyanops franklinii trangensis** Riley.

Cyanops franklini trangensis Riley, Proc. Biol. Soc. Wash. xlvii,
 1934, p. 116 : Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Cyanops oorti (S. Müll.). Müller's Barbet.

Cyanops oorti oorti (S. Müll.).

Bucco Oorti Sal. Müller, Tijds. Nat. Ges. Phys. ii, 1835, p. 341,
 pl. iv, fig. 4 : Sumatra.

Distr.—Malay States.
 Sumatra.

Cyanops oorti monticola Sharpe. Mountain Barbet.

Cyanops monticola Sharpe, Ann. Mag. Nat. Hist. (6) iii, 1889,
 p. 424 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Cyanops australis¹ (Horsf.). Little Barbet.

Cyanops australis australis (Horsf.).

Bucco australis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 101 :
 Java.

Distr.—Java.

¹ If "*Bucco cyanocephalus*" Reinw., Batav. Courant, Feb. 1820, is a valid description it is, perhaps, the species name for this group of small barbets, but as in the case of other references to the "Batav. Courant" given in Cat. Bds. xix, I cannot trace the original.

***Cyanops australis hebereri** (Rensch).¹

Xantholaema australis hebereri Rensch, Mitt. Zool. Mus. Berlin, xvi, 1930, p. 532 : Bali.

Distr.—Bali.

Cyanops australis duvaucelii (Less.).

Bucco duvaucelii Lesson, Traité Ornith. 1830, p. 164 : Sumatra.

Megalama duvauceli borneonensis Parrot, Abh. Kon. Bay. Akad. Wiss., Klass 2, 24, i, 1907 : Borneo.

Cyanops duvauceli robinsoni Baker, Bull. B. O. Cl. xxxix, 1918, p. 20 : Klang, Selangor, Malay States.

Bucco frontalis Temm., Pl. Col. 536, fig. 1, 1832 : Sumatra.

Distr.—Malay Peninsula (north to Perlis).

Sumatra; Banka.

Borneo.

Cyanops australis stuarti (Rob. and Kloss).

Mesobucco duvauceli stuarti Robinson and Kloss, Journ. Nat. Hist. Soc. Siam, iii, 1918, p. 100 : Junk Seylon.

Distr.—Peninsular Siam.

***Cyanops australis gigantorhina** (Oberh.).

Mesobucco duvaucelii gigantorhinus Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 6 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

***Cyanops australis tanamassae** (de Schau.).

Mesobucco duvauceli tanamassae de Schauensee, Proc. Acad. Nat. Sci. Phil. lxxxix, 1929, p. 521 : Tana Masa Island, Batu Islands, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Cyanops australis eximia (Sharpe).

Mesobucco eximius Sharpe, Ibis, 1892, p. 324 : Mt. Dulit, Sarawak.

Distr.—Borneo (part).

Cyanops australis cyanea (Harr. and Hart.).²

Mesobucco duvaucelii cyaneus Harrison and Hartley, Bull. Brit. Orn. Cl. liv, 1934, p. 151 : Mt. Kinabalu, N. Borneo.

Distr.—Mt. Kinabalu, North Borneo.

¹ We have not seen *hebereri*, but the difference in size between it and *australis* must be very slight : the maximum wing length of our series of the latter form from West Java is 77 mm. and from East Java 78 mm.

² The type is a female, wrongly sexed on the label ; other than this the race seems to rest on one male and an unsexed juvenile (measurements reversed in the original description) in the Singapore Museum.

Genus **THEREICERYX** Blanford.

Thereiceryx zeylanicus (Gmel.). Dull Barbet.

[**Thereiceryx zeylanicus zeylanicus** (Gmel.).

Bucco Zeylanicus Gmelin, Syst. Nat. i, pt. i, 1788, p. 408: Ceylon.

Distr.—Extra-limital.]

Thereiceryx zeylanicus intermedius Baker.¹

Thereiceryx lineatus intermedius Stuart Baker, Bull. B.O. Cl. xxxix, 1918, p. 19: North Tenasserim.

Distr.—Malay Peninsula (not in the Federated Malay States).

Thereiceryx zeylanicus lineatus (Vieill.).²

Capito lineatus Vieillot, Nov. Dict. Hist. Nat. iv, 1816, p. 500: Java (*Stresemann*).

Bucco fuscicapillus Drap., Dict. Class, ii, 1822, p. 195: Java.

Distr.—Java; Bali.

Genus **XANTHOLÆMA** Bonaparte.

Xantholæma hæmacephala (P. L. S. Müll.). Coppersmith Barbet.

[**Xantholæma hæmacephala hæmacephala** (P. L. S. Müll.).

Bucco hæmacephalus P. L. S. Müller, Natursyst. Suppl., 1776, p. 88: Philippine Islands.

Distr.—Extra-limital.]

Xantholæma hæmacephala indica (Lath.).

Bucco indicus Latham, Index Orn. i, 1790, p. 205: India.

Distr.—Malay Peninsula (not in the south).

Xantholæma hæmacephala delicata (Parrot).

Megalaema hæmacephala delicata Parrot, Abh. Kon. Bay. Akad. Wiss. 2. Kl. 24. Bd. 1. Abt., 1907, p. 169: Deli, Sumatra.

Distr.—Sumatra.

¹ We do not agree with C. B. Ticehurst (Journ. Bomb. Nat. Hist. Soc. xxxiv, 1930, p. 470) that this race is unrecognizable (119—139 mm. which is the range given by him for northern birds seems a very large range for one race) but we think it is probably the same as *McClellandi* Horsf. and Moore, Cat. Birds. Mus. East Ind. Coy. ii, 1858, p. 637 (North-east Bengal).

² Although it is possible that this race occurs in Cochin China "*lineatus*" cannot be used to cover the large birds occurring in other parts of French Indo-China.

Xantholaema haemacephala rosea (Dum.).¹*Bucco roseus* Dumont, Dict. Sci. Nat. iv, 1806, p. 52: Java.*Capito rosaceicollis* Vieill., Nov. Dict. Hist. Nat. iv, 1816, p. 500: Java.

Distr.—Java; Bali.

Sumatra (south).

Genus **PSILOPOGON** S. Müller.**Psilopogon pyrolophus** S. Müll.

Fire-tufted Barbet.

Psilopogon pyrolophus S. Müller, Tijds. Nat. Gesch. Phys. ii, 1835, p. 339, Pl. iv, fig. 3: Sumatra.*Buccotrogon torquatus* Von Kreling, Jahr. Nat. Gesch. Emden, 1852, p. 20 (not seen; fide Cat. Bds. xix, p. 98.).

Distr.—Malay States.

Sumatra.

Family **PICIDÆ**.²Genus **PICUS** Linn.**Picus vittatus**³ Vieill.

Bamboo Green Woodpecker.

Picus vittatus vittatus Vieill.*Picus vittatus* Vieillot, Nov. Dict. d'Hist. Nat. xxvi, 1818, p. 91: Java (Hartert, 1902; restr. West Java, Stresemann, 1921).*Picus affinis* Raffles, Trans. Linn. Soc. xiii, 1822, p. 288: Sumatra.*Picus dimidiatus* Valenc. (ex Horsf. MS.), Dict. Nat. Sci. xl, 1826, p. 174: Java.*Gecinus xanthopygius* Bp., Consp. Gen. Av. i, 1850, p. 127: Java.

Distr.—Malay States.

Sumatra; Lingga Archipelago.

Java (west).

Picus vittatus limitans Stres.*Picus vittatus limitans* Stresemann, Arch. f. Naturgesch. lxxxvii, 1921, Ab. A, Heft 7, p. 74: East Kangean Island.

Distr.—Java (east); Bali; Kangean Islands.

¹ We follow Bartels and Stresemann and treat *rosea* as a subspecies of *haemacephala* but it must be noted that both forms have been recorded from the Lampongs: the only record for *rosea* seems to be that of the two birds obtained by Buxton and recorded by Walden (Ibis, 1877, p. 487) and it is time that the presence of *rosea* in Sumatra, if correct, was confirmed.

² Cf. Stres., "Die Spechte der Insel Sumatra", Archiv. f. Naturg. 1921, p. 64; Hesse, Kritische Untersuchungen über Piciden im Berlin p. 64; Hesse, Kritische Untersuchungen über Piciden im Berlin Mus., Mitt. Zool. Mus. Berl. vi, 1912, p. 133.

³ Cf. Kloss, Ibis, 1926, p. 684.

Picus vittatus connectens (Rob. and Kloss).

Gecinus vittatus connectens Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 13: Langkawi Islands, Straits of Malacca.

Distr.—Langkawi Islands, Straits of Malacca.

Picus viridanus¹ Blyth.

Scaly-bellied Woodpecker.

[**Picus viridanus viridanus** Blyth.

Picus viridanus Blyth, Journ. Asiat. Soc. Bengal, xii, 1843-44, p. 1000: Arracan.

Distr.—Extra-limital.]

Picus viridanus weberi Müll.

Gecinus weberi Müller, Orn. Ins. Salanga, 1882, p. 69 (sep.): Junk Seylon.

Picus viridanus meridianus Kloss, Ibis, 1926, p. 689: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Picus canus² Gmel.

Black-naped Green Woodpecker.

[**Picus canus canus** Gmel.

Picus canus Gmelin, Syst. Nat. 1, pt. 1, 1788, p. 434: Norway.

Distr.—Extra-limital.]

Picus canus robinsoni (O.-Grant).

Gecinus robinsoni Ogilvie-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 10: Gunong Tahan, Pahang, Malay States.

Distr.—Malay States.

Picus canus dedemi (van Oort).

Gecinus dedemi van Oort, Notes Leyden Mus., xxxiv, 1911, p. 59: Battak Mountains, North-east Sumatra.

Distr.—Sumatra.

Picus chlorolophus Vieill.³

Small Yellow-naped Woodpecker.

[**Picus chlorolophus chlorolophus** Vieill.]

Picus chlorolophus Vieillot, Nouv. Dict. Hist. Nat. xxvi, 1818, p. 78: Bengal.

Distr.—Extra-limital.]

Picus chlorolophus rodgeri (Hart. and Butlr.).

Gecinus rodgeri Hartert and Butler, Nov. Zool. v, 1898, p. 508: Mt. Ijau, Perak, Malay States.

Distr.—Malay States.

¹ Cf. Kloss, Ibis, 1926, p. 684.

² Revision: Snouck. v. Schaub., Org. Cl. Ned. Vog. v, 1932, p. 4.

³ Cf. Meinert., Bull. B. O.. C. xlv, 1924, p. 53.

Picus chlorolophus vanheysti (Rob. and Kloss).

Brachylophus chlorolophus vanheysti Robinson and Kloss, Journ. Straits Branch Roy. Asiat. Soc. lxxx, 1919, p. 97 : Sumatra.

Distr.—Sumatra.

Picus puniceus Horsf.

Crimson-winged Woodpecker.

Picus puniceus puniceus Horsf.

Picus puniceus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 176 : Java.

Picus gularis Wagl., Syst. Av. Add., *Picus*, sp. no. 6, (nec no. 89) ♀ 1827.

Distr.—Java.

Picus puniceus continentis (Rob. and Kloss).

Brachylophus puniceus continentis Robinson and Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 204 : Tapli, Pakchan Estuary, Peninsular Siam.

Distr.—Malay Peninsula.

Picus puniceus observandus Hart.

Gecinus puniceus observandus Hartert, Nov. Zool. iii, 1896, p. 542 : Sumatra.

Distr.—Sumatra; Banka; Nias Island, West Sumatra. Borneo.

Genus **CALLOLOPHUS** Salvadori.

Callolophus miniaceus (Penn.).

Banded Red Woodpecket.

Callolophus miniaceus miniaceus (Penn.).

Picus mineaceus Pennant, Ind. Zool. 1769, pl. 4 : India, error = Java.

Distr.—Java (west and central).

Callolophus miniaceus malaccensis (Lath.).

Picus malaccensis Latham, Index Orn. i, 1790, p. 241 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Banka; Billiton.

Borneo (north-west).¹

Callolophus miniaceus dayak Stres.

Callolophus miniatus dayak Stresemann, Archiv. f. Naturgesch. lxxxvii, 1921, Ab. A, Heft 7, p. 82 : Landak, West Borneo.

Distr.—Borneo.

¹ *C. m. dayak* is a good race apparently occupying most of Borneo but this larger winged form occurs on the lower slopes of Mt. Kinabalu.

Callolophus miniaceus niasensis (Bütt.).

Chrysophlegma niasense Büttikofer, Notes Leyden Mus. xviii, 1896,
p. 169: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Genus **CHRY SOPHLEGMA** Gould.

Chrysophlegma mentale (Temm.). Chequered-throated Woodpecker.

Chrysophlegma mentale mentale (Temm.).

Picus mentalis Temminck, Pl. Col. 384, 1825: Java.

Picus squamicollis Less., Traité d'Ornith. 1831, p. 229: Java.

Distr.—Java.

Chrysophlegma mentale humii Harg.

Chrysophlegma humii Hargitt, Ibis, 1889, p. 231: Malacca.

Distr.—Malay Peninsula.

Sumatra; Banka.

Borneo (western half).

Chrysophlegma mentale saba Chas. and Kloss.

Chrysophlegma mentale saba Chasen and Kloss, Journ. f. Ornith.
1929, ii, p. 111: Sandakan, British North Borneo.

Distr.—Borneo (east).

Chrysophlegma flavinucha (Gould). Large Yellow-naped Woodpecker.

[**Chrysophlegma flavinucha flavinucha** (Gould).]

Picus flavinucha Gould, Proc. Zool. Soc. for 1833, 1834, p. 120:
East Himalayas.

Distr.—Extra-limital.]

Chrysophlegma flavinucha wrayi Sharpe.

Chrysophlegma wrayi Sharpe, Proc. Zool. Soc. 1888, p. 279: Mts.
of Perak, Malay States.

Distr.—Malay States.

Chrysophlegma flavinucha mystacale Salvad.

Chrysophlegma mystacalis Salvadori, Ann. Mus. Civ. Gen. xiv,
1879, p. 182: Sumatra.

Distr.—Sumatra.

Genus **CHLOROPICOIDES** Malherbe.

Chloropicoides rafflesii (Vig.). Three-toed Woodpecker.

Chloropicoides rafflesii rafflesii (Vig.).

Picus Rafflesii Vigors, Raff. Mem. 1831, App. p. 669: Sumatra.

Tiga amictus Gray, Gen. Birds. ii, 1846, p. 441: nom. nud.

Picus (Tiga) labarum Less., Ois. réc. découv. 1847, p. 199: Sumatra (Duvaucel).

Distr.—Sumatra; Banka.

Chloropicoides rafflesii peninsularis Hesse.

Gauropicoides rafflesii peninsularis Hesse, Ornith. Monatsber. xix, 1911, p. 192: Malacca.

Distr.—Malay Peninsula.

Chloropicoides rafflesii borneonensis Hesse.

Gauropicoides rafflesii borneonensis Hesse, Orn. Monatsber. xix, 1911, p. 192: Mt. Dulit, North Sarawak, Borneo.

Distr.—Borneo.

Genus **GE CINULUS** Blyth.

Gecinulus grantia (Horsf.). Pale-headed Woodpecker.

[**Gecinulus grantia grantia** (Horsf.).

Picus Grantia Horsfield, Proc. Zool. Soc. for 1839, 1840, p. 165: Assam.

Distr.—Extra-limital.]

Gecinulus grantia robinsoni Kloss.

Gecinulus viridis robinsoni Kloss, Ibis, 1918, p. 105: Ginting Bidei, Selangor—Pahang boundary, Malay States.

Distr.—Malay Peninsula.¹

Genus **DRYOBATES** Boie.

Dryobates analis (Bp.). Spotted-breasted Pied Woodpecker.

Dryobates analis analis (Bp.).

Picus analis Bonaparte, Consp. Gen. Av. i, 1850, p. 137: Java, restr. East Java.

Dendrocophus a. brevipennis Hesse, Ornith. Monatsber. 1911, p. 182: Java.

Distr.—Sumatra.²

Java; Bali.

¹ Specimens from Peninsular Siam are intermediate between *robinsoni* and *viridis* Blyth (Tenasserim).

² The locality "Sumatra" rests on Walden's record of birds collected by E. G. Buxton in the Lampongs (Ibis, 1877, p. 290). As in the case of *Xantholæma rosea* confirmation is needed. Büttikofer considers that the "*Picus percussus*" of Nieuwenhuisen and Rosenberg from Nias is also *D. analis* (Notes Leyd. Mus. xviii, 1896, p. 195).

Dryobates analis montis Rob. and Kloss.

Dryobatis analis montis Robinson and Kloss, Journ. Fed. Malay States Mus. xi, 1923, p. 53: Tjibodas, West Java.

Distr.—Java¹ (mountains of west).

Dryobates hardwickii (Jerd.).

Pigmy Woodpecker.

[**Dryobates hardwickii hardwickii** (Jerd.).

Picus (Dendrocopus) hardwickii Jerdon, Madras Journ. Lit. Sci. xiii, 1844: South India.

Distr.—Extra-limital.]

Dryobates hardwickii canicapillus (Blyth).

Picus canicapillus Blyth, Journ. Asiat. Soc. Beng. xiv, 1845, p. 197: Arracan.

Distr.—Peninsular Siam.

Dryobates hardwickii auritus (Eyton).

Tripsurus auritus Eyton, Ann. & Mag. Nat. Hist. xvi, 1845, p. 229: Malacca.

Dryobates canicapillus suffusus Rob. and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 14: Kuala Lumpur, Selangor, Malay States.

Distr.—Malay States.

***Dryobates hardwickii volzi** Stres.

Dryobates canicapillus volzi Stresemann, Verh. Orn. Ges. Bayern, xiv, 1920, p. 288: Laut Tawar, North Sumatra.

Distr.—Sumatra.

Dryobates hardwickii aurantiiventris (Salvad.).

Picus (Bæopipo) hardwickii aurantiiventris Salvadori, Atti R. Ac. Sci. Torino, iii, 1868, p. 524: Sarawak.

Iyngipicus picatus Hargitt, Ibis, 1882, p. 41: North-west Borneo.

Distr.—Borneo.²

Dryobates moluccensis (Gmel.).

Lesser Pigmy Woodpecker.

Dryobates moluccensis moluccensis (Gmel.).

Picus moluccensis Gmelin, Syst. Nat. i, pt. i, 1788, p. 439: Malacca (Oberholser).

Picus variegatus Wagl. (nec Lath.), Syst. Av. Gen. Picus. sp. 26, 1827: Java.

¹ This race does not inhabit the whole of West Java but only the hills in that part of the island: birds from Wynkoops Bay on the south coast are like typical *analis*. Our series consists of eleven *montis* against eighteen *analis*.

² Kuroda has recorded "*picatus*" from Tawao on the east coast of British North Borneo and there is just a possibility that it is a good race with a very limited range.

PICIDÆ.

lyngipicus fusco-albidus Salvad., Ucc. Born. 1874, p. 42: Java (new name for *P. variegatus* Wagl.).

Picus sondaicus Salvad., Ucc. Born. 1874, p. 43: Java.

lyngipicus frater Salvad. and Gigl., Atti della R. Accad. Sc. Tor. xx, 1885, p. 824: Malacca.

Dryobates moluccensis tantulus Riley, Proc. Biol. Soc. Wash. xl. 1927, p. 140: Tanggarong, N. E. Borneo.

Distr.—Malay States.

Sumatra; Rhio Archipelago; Billiton.

Borneo; North Borneo Islands.

Java; Bali.

Genus **BLYTHIPICUS** Bonaparte.

Blythipicus rubiginosus (Swains.). Maroon Woodpecker.

Blythipicus rubiginosus rubiginosus (Swains.).

Hemicircus rubiginosus Swainson in Jardine's Nat. Libr., Birds West Africa, ii, 1837, p. 150: West Africa error = Malacca (Hartlaub).

Picus melanogaster Hay, Madr. Journ. 1844, p. 153: Malacca.

Distr.—Malay Peninsula.

Blythipicus rubiginosus parvus Chas. and Kloss.

Blythipicus rubiginosus parvus Chasen and Kloss, Journ. f. Ornith. 1929, ii, p. 112: Bettotan near Sandakan, British North Borneo.

Distr.—Sumatra.

Borneo.

Blythipicus pyrrhotis (Hodgs.).¹ Bay Woodpecker.

[**Blythipicus pyrrhotis pyrrhotis** (Hodgs.).

Picus pyrrhotis Hodgson, Journ. Asiat. Soc. Bengal, vi, 1837, p. 108: Nepal.

Distr.—Extra-limital.]

Blythipicus pyrrhotis cameroni Rob.

Blythipicus pyrrhotis cameroni Robinson, Bull. Brit. Orn. Cl. xlviii, 1928, p. 57: Mt. Mengkuang Lebah, Selangor, Malay States.

Distr.—Malay States.

Genus **MEIGLYPTES** Swainson.

Meiglyptes tristis (Horsf.). Fulvous-rumped Barred Woodpecker.

Meiglyptes tristis tristis (Horsf.).

Picus tristis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 177: Java.

Picus poecilophus Temm., Pl. Col. 197, 1823: Java.

Distr.—Java.

¹ Cf. Kinn., Bull. B. O. C. xlv, 1926, p. 72.

Meiglyptes tristis micropterus Hesse.

Meiglyptes tristis micropterus Hesse, Orn. Monatsber. xix, 1911,
p. 182 : Borneo.

Distr.—Sumatra.

Borneo; North Bornean Islands; North Natuna Islands.

Meiglyptes tristis grammithorax (Malh.).

Phaiopicus grammithorax Malherbe, Monogr. Pic. ii, p. 12, 1862,
pl. 48 : Malay Peninsula.

Distr.—Malay Peninsula.

***Meiglyptes tristis microterus** Oberh.

Meiglyptes grammithorax microterus Oberholser, Smiths. Misc. Coll.
lx, 7, 1912, p. 6 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Meiglyptes tukki (Less.).

Buff-necked Barred Woodpecker.

Meiglyptes tukki tukki (Less.).

Picus tukki Lesson, Rev. Zool. 1839, p. 167 : Sumatra.

Hemicircus brunneus Eyton, Proc. Zool. Soc. 1839, p. 106 : Malacca.

Picus luridus Nitzsch, Pterylog. 1840, p. 137 : Sumatra.

Meiglyptes fuscus Peale, U.S. Expl. Exped. viii, 1848, p. 132 : Singapore.

Meiglyptes tukki asaleus Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 46 :
Bunguran Island, North Natuna Islands.

Distr.—Malay Peninsula.

Sumatra; Billiton.

Borneo; North Natuna Islands.

***Meiglyptes tukki percnerpes** Oberh.

Meiglyptes tukki percnerpes Oberholser, Journ. Wash. Acad. Sci.
xiv, 13, 1924, p. 301 : Batu Jurong, South-west Borneo.

Distr.—Borneo (South-west).

Meiglyptes tukki pulonis Chas. and Kloss.

Meiglyptes tukki pulonis Chasen and Kloss, Journ. f. Ornith. 1929,
ii, p. 112 : Banguay Island, North Borneo.

Distr.—Banguay Island, North Borneo.

***Meiglyptes tukki calceuticus** Oberh.

Meiglyptes tukki calceuticus Oberholser, Smiths. Misc. Coll. lx, 7,
1912, p. 6 : Tuanaku Island, Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

***Meiglyptes tukki infuscatus** Salvad.

Miglyptes infuscatus Salvadori, Ann. Mus. Civ. Stor. Nat. Genov.
(2) iv, 1887, p. 531 : Nias Island, West Sumatra.

Meiglyptes tukki hylodromus Oberh., Journ. Wash. Acad. Sci. xiv,
No. 13, 1924, p. 301 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

PICIDÆ.

Genus **MICROPTERNUS** Blyth.

Micropternus brachyurus (Vieill.). Rufous Woodpecker.

Micropternus brachyurus brachyurus (Vieill.).

Picus brachyurus Vieillot, Nouv. Dict. Hist. Nat. xxvi, 1818, p. 103 : Java.

Distr.—Java (not east).

Micropternus brachyurus badius (Raffles).

Picus badius Raffles, Trans. Linn. Soc. xiii, 1822, p. 289 : Sumatra.

Distr.—Sumatra; Banka; Billiton and Mendanau Islands.

***Micropternus brachyurus celaenephis** Oberh.

Micropternus phaiiceps celaenephis Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 6 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Micropternus brachyurus squamigularis (Sundev.).

Picus squamigularis Sundevall, Consp. Av. Picin. 1866, p. 89 : Malacca.

Distr.—Malay Peninsula.¹

Micropternus brachyurus badius (Bp.).

Meiglyptes badius Bonaparte, Consp. Gen. Avium, i, 1850, p. 113 : Borneo.

Distr.—Borneo; North Natuna Islands.

Genus **DINOPIUM** Rafinesque.

Dinopium javanense (Ljungh). Golden-backed Three-toed Woodpecker.

Dinopium javanense javanense (Ljungh).

Picus javanensis Ljungh, Kon. Vet. Akad. Handl. xvii, 1797, p. 134, pl. 6 : Batavia, West Java.

Picus tiga Horsf., Trans. Linn. Soc. xiii, 1821, p. 177 : Java.

Chrysonotus tridactylus Swains., Class. Birds, ii, 1837, p. 309 : new name.

Tiga rufa Stoliczka, Journ. Asiat. Soc. Bengal, xxxix, 1870, p. 289 : ?renaming of *tridactylus*.

Dinopium javanense palmarum Stres., Arkiv. f. Naturgesch. 1921, Ab. A, Heft 7, p. 93 : Fort de Kock, West Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Java (west and central).

¹ Birds from Peninsular Siam are intermediate between *squamigularis* and *williamsoni* Kloss (Koh Lak, S. W. Siam).

Dinopium javanense exsul Hart.

Tiga javanensis exsul Hartert, Nov. Zool. viii, 1901, p. 51: Bali.

Distr.—Java (east); Bali.

Dinopium javanense intermedium (Blyth).

Picus (Tiga) intermedius Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 193: Ramree Island, Arracan.

Distr.—Peninsular Siam (extreme north).

Dinopium javanense borneonensis (Dub.).

Tiga borneonensis Dubois, Proc. Zool. Soc. 1897, p. 782: Borneo.

Distr.—Borneo.

***Dinopium javanense raveni** Riley.

Dinopium raveni Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 139: Eraban Island, North-east Borneo.

Distr.—Eraban Island and ? Eastern Borneo.

Genus **CHRYSOCOLAPTES** Blyth.

Chrysocolaptes lucidus¹ (Scop.). Golden-backed Four-toed Wood-pecker.

[**Chrysocolaptes lucidus lucidus** (Scop.).

Picus lucidus Scopoli, Del. Flor. et Faun. Insubr. ii, 1786, p. 89: Mindanao, Philippine Islands.

Distr.—Extra-limital.]

Chrysocolaptes lucidus gutticristatus (Tick.).

Picus guttacristatus Tickell, Journ. Asiat. Soc. Bengal, ii, 1833, p. 578: Borabhum.

Chrysocolaptes gutticristatus indo-malayicus Hesse, Orn. Monatsber. xix, 1911, p. 182: Junk Seylon.

Distr.—Peninsular Siam (south to Langkawi Islands).

Chrysocolaptes lucidus chersonesus Kloss.

Chrysocolaptes strictus chersonesus Kloss, Ibis, 1918, p. 113: Sikarang, South Johore.

Distr.—Malay States (extreme south and Singapore Island).

Sumatra; Rhio Archipelago.

Java (west and central).

¹ Cf. Rob., Journ. F.M.S. Mus. vii, 1917, p. 161.

Chrysocolaptes lucidus strictus (Horsf.).¹

Picus strictus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 176: Java.

Distr.—Java; Bali; Kangean Islands.

Chrysocolaptes validus (Temm.).

Chrysocolaptes validus validus (Temm.).

Picus validus Temminck, Pl. Col. 378, 1825: Java.

Distr.—Java (west and central).

Chrysocolaptes validus xanthopygius Finsch.

Chrysocolaptes xanthopygius Finsch, Notes Leyden Mus. xxvi, 1905, p. 34: Upper Mahakam River, West Borneo.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

Genus **HEMICIRCUS** Swainson.

Hemicircus concretus (Temm.). Grey-and-Buff Woodpecker.

Hemicircus concretus concretus (Temm.).

Picus concretus Temminck, Pl. Col. 90, 1824: Java.

Distr.—Java (west and central).

Hemicircus concretus coccometopus (Reichb.).

Hemicircus coccometopus Reichenbach, Scans. Picinae, 1854, p. 401, pl. 656: Sumatra.

Hemicircus brookeanus Salvad., Atti. R. Ac. Sc. Tor. iii, 1868, Sarawak, Borneo.

Distr.—Sumatra; Banka Island.

Borneo.

Hemicircus concretus sordidus (Eyton).

Dendropicus sordidus Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 229: Malacca.

Distr.—Malay Peninsula.

Hemicircus canente (Less.). Heart-spotted Woodpecker.

Hemicircus canente canente (Less.).

Picus canente Lesson, Cent. Zool. 1832, p. 215: Pegu.

Distr.—Peninsular Siam.

¹ There is broadly speaking a large overlap in the range of *gutticristatus* and *strictus* in Java but at present we prefer to retain both forms as sub-species of *lucidus*: *strictus* seems to be found only in the mountains; commonly in East Java and very rarely in West Java. *C. l. gutticristatus* is rare in Java and according to the information at our disposal seems to occur only on the coastland in the western half of the island: it is perhaps a recent arrival from Sumatra.

Genus **MÜLLERIPICUS** Bonaparte.

Mülleripicus pulverulentus (Temm.). Great Slaty Woodpecker.

Mülleripicus pulverulentus pulverulentus (Temm.).¹

Picus pulverulentus Temminck, Pl. Col. 389, 1826: Java.

Picus gutturalis Valenc., Dict. Sc. Nat. xl, 1826, p. 178: Sumatra.

Picus mackloti Wagl., Syst. Av. Picus, 1827, sp. 4: Sumatra.

Picus horsfieldi Wagl., Syst. Av. Picus, 1827, sp. 5: Java.

Hemilophus mülleri Bp., Consp. Gen. Av. i, 1850, p. 131: Borneo.

Hemilophus fischeri Brügg., Abhandl. Nat. Ver. Brem. 1877, p. 454: Borneo.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo; North Natuna Islands.

Java (not in the east).

Genus **DRYOCOPUS**² Boie.

Dryocopus javensis (Horsf.). Great Black Woodpecker.

Dryocopus javensis javensis (Horsf.).

Picus javensis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 175: Java.

Picus leucogaster Valenc., Dict. Sci. Nat. xl, 1827, p. 178: Java (Stresemann, 1913).

Picus horsfieldi Wagl., Syst. Av. 1827, *Picus*, sp. 5: new name for *P. javensis*.

Picus fulvigaster Drap., Dict. Class. Hist. Nat. xiii, 1828, p. 503: Java.

Picus maximus malayensis Bland, Journ. Asiat. Soc. Bengal, vi, 1837, p. 952: Johore.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Mansalar Island, West Sumatra.

Borneo; North Natuna Islands; North Bornean Islands.

Java; Bali.

Dryocopus javensis parvus (Richm.).

Thriponax parvus Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 189: Simalur Island, West Sumatra.

Distr.—Simalur Island, West Sumatra.

***Dryocopus javensis büttikoferi** (Richm.).

Thriponax javensis büttikoferi Richmond, Proc. Biol. Soc. Wash. xxv, 1912, p. 104: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

¹ We have never been able to compare good series of this species from the Sunda Islands. A single bird from Borneo is darker than a fair series from the Malay States. Birds from the Langkawi Islands northwards are *pulverulentus* > *harterti*.

² Cf. Stres., Nov. Zool. xx, 1913, p. 317.

Genus **VIVIA** Hodgson.

Vivia innominata (Burt.). Speckled Piculet.

[**Vivia innominata innominata** (Burt.).

Picumnus innominatus Burton, Proc. Zool. Soc. for 1835, 1836,
p. 154: Himalayas.

Distr.—Extra-limital.]

Vivia innominata malayorum (Hart.).

Picumnus innominatus malayorum Hartert, Vög. pal. Faun. Heft
vii, 1912, p. 937: Perak, Malay States.

Distr.—Malay States.

Sumatra.

Borneo.

Genus **SASIA** Hodgson.

Sasia abnormis (Temm.). Malaysian Rufous Piculet.

Sasia abnormis abnormis (Temm.).

Picumnus abnormis Temminck, Pl. Col. 371, fig. 3, 1825: Java.

Sasia everetti Hargitt, Ibis, 1881, p. 235: Borneo.

Distr.—Malay Peninsula.

Sumatra; Billiton.

Borneo.

Java (not the east).

Sasia abnormis magnirostris Hart.

Sasia abnormis magnirostris Hartert, Nov. Zool. viii, 1901, p. 51:
Nias Island, West Sumatra.

Distr.—Nias Island.

Sasia ochracea Hodgs. Indian Rufous Piculet.

[**Sasia ochracea ochracea** (Hodgs.).

Sasia ochracea Hodgson, Journ. Asiat. Soc. Bengal, v, 1836, p. 778:
Nepal.

Distr.—Extra-limital.]

Sasia ochracea reichenowi Hesse.

Sasia ochracea reichenowi Hesse, Orn. Monatsber. xix, 1911, p.
181: Burma.

Distr.—Peninsular Siam.

Family EURYLAIMIDÆ.

Genus **CALYPTOMENA** Raffles.**Calyptomena viridis** Raffl. Green Broadbill.**Calyptomena viridis viridis** Raffl.*Calyptomena viridis* Raffles, Trans. Linn. Soc. xiii, 1822, p. 295 : Sumatra.*Calyptomena Rafflesia* Swains., Anim. Menag. 1838, p. 296 (new name for *C. viridis*).*Calyptomena caudacuta* Swains., Class. Birds, ii, 1837, p. 252 (nom. nud); Anim. Menag. 1838, p. 296 : India, error = Singapore.*Distr.*—Malay States.

Sumatra; Lingga Archipelago; Nias Island, West Sumatra. Borneo; North Natuna Islands.

Calyptomena viridis continentis Rob. and Kloss.*Calyptomena viridis continentis* Robinson and Kloss, Journ. Fed. Mal. States Mus. xi, 1923, p. 54 : Chumporn, Peninsular Siam.*Distr.*—Peninsular Siam.**Calyptomena viridis siberu** Chas. and Kloss.*Calyptomena viridis siberu* Chasen and Kloss, Ibis, 1926, p. 285 : Siberut Island, Mentawi Islands, West Sumatra.*Distr.*—Mentawi Islands (Siberut and Pagi), West Sumatra.**Calyptomena hosii** Sharpe. Hose's Broadbill.*Calyptomena Hosii* Sharpe, Ann. Mag. Nat. Hist. (6) ix, 1892, p. 249 : Mt. Dulit, North-west Borneo.*Distr.*—Borneo.**Calyptomena whiteheadi** Sharpe. Whitehead's Broadbill.*Calyptomena whiteheadi* Sharpe, Proc. Zool. Soc. 1887, p. 558 : Mt. Kinabalu, North Borneo.*Distr.*—Borneo.Genus **PSARISOMUS**² Swainson.**Psarisomus dalhousiæ** (Jameson). Long-tailed Broadbill.**[Psarisomus dalhousiæ dalhousiæ** (Jameson).]*Eurylaimus dalhousiæ* Jameson, Edinb. New Phil. Journ. xviii, 1835, p. 389 : North India.*Distr.*—Extra-limital.]¹ We cannot separate the Bornean Bird (*cf.* Robinson, 1927).² *Cf.* Chas. and Kl., Journ. Nat. Hist. Soc. Siam (Nat. Hist. Suppl.) viii, 1932, p. 236.

EURLAIMIDÆ.

Psarisomus dalhousiæ psittacinus (S. Müll.).

Eurylaimus psittacinus Sal. Müller, Tijds. Nat. Ges. Phys. 1835, p. 349, pl. 5, fig. 6: West Sumatra.

Distr.—Malay States.¹
Sumatra.

Psarisomus dalhousiæ borneensis Hart.

Psarisomus dalhousiæ borneensis Hartert, Gen. Av. pt. 1, 1905, p. 7: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Genus SERILOPHUS Swainson.

Serilophus lunatus (Gould).

Silver-breasted Broadbill.

Serilophus lunatus lunatus (Gould).

Eurylaimus lunatus Gould, Proc. Zool. Soc. for 1833, 1834, p. 133: Rangoon.

Distr.—Peninsular Siam (north).

Serilophus lunatus stolidus Rob. and Kloss.

Serilophus lunatus stolidus Robinson and Kloss, Bull. Brit. Orn. Cl., xl, 1919, p. 16: Khao Nawng, Bandon, Peninsular Siam.

Distr.—Peninsular Siam (central).

Serilophus lunatus rothschildi (Hart. and Butlr.).

Serilophus rothschildi Hartert and Butler, Bull. Brit. Orn. Cl. vii, 1898, p. 50: Mt. Ijau, Perak, Malay States.

Distr.—Malay States.
Sumatra (north).

Serilophus lunatus intensus Rob. and Kloss.

Serilophus lunatus intensus Robinson and Kloss, Journ. Fed. Mal. States Mus. viii, pt. 2, 1918, p. 150: Mt. Korinchi, West Sumatra.

Distr.—Sumatra (excluding north).

Genus EURYLAIMUS Horsfield

Eurylaimus javanicus Horsf.

Banded Broadbill.

Eurylaimus javanicus javanicus Horsf.

Eurylaimus javanicus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 170: Java.

Eurylaimus horsfieldii Temm., Pls. Col. 130, 131, 1823: Java.

Distr.—Java.²

¹ Birds from the mountains of the Malay States are not quite the same as typical *psittacinus* and in some respects are approaching *assimilis* Hume (Burma): the races of *P. dalhousiæ* are all rather thin.

² The Lampong form is not the typical race as has been suggested.

Eurylaimus javanicus harterti van Oort.

Eurylaimus javanicus harterti van Oort, Notes Leyd. Mus. xxxi, 1909, p. 209 : Deli, North-east Sumatra.

Distr.—Sumatra; Rhio Archipelago.

Eurylaimus javanicus pallidus Chas.

Eurylaimus javanicus pallidus Chasen, Bull. Raffl. Mus. 10, 1935, p. 43 : Kao Nawng, Peninsular Siam.

Distr.—Malay Peninsula.

Eurylaimus javanicus billitonis Kloss.

Eurylaimus javanicus billitonis Kloss, Treubia, xiii, 1931, p. 295 : Billiton Island.

Distr.—Billiton Island.

Eurylaimus javanicus brookei Rob. and Kloss.

Eurylaimus javanicus brookei Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 15 : Saribas district, South-west Sarawak.

Distr.—Borneo; North Natuna Islands.¹

Eurylaimus ochromalus Raffl.

Black-and-Yellow Broadbill.

Eurylaimus ochromalus ochromalus Raffl.

Eurylaimus ochromalus Raffles, Trans. Linn. Soc. xiii, 1822, p. 297 : Singapore.

Eurylaimus cycullatus Temm., Pl. Col. 261, 1824, Sumatra.

Eurylaemus rafflesii Less., Compl. Buff. viii, p. 463, 1837 : Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Billiton

North Natuna Islands.

Eurylaimus ochromalus kalamantan Rob. and Kloss.

Eurylaimus ochromalus kalamantan Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 15 : Saribas district, South-west Sarawak.

Distr.—Borneo.

***Eurylaimus ochromalus mecistus** Oberh.

Eurylaimus ochromalus mecistus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 8 : Tuanku Island, Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

¹ The Natuna form has not been examined and is placed here purely on geographic grounds.

Genus **CORYDON** Lesson.

Corydon sumatranus (Raffl.). Dusky Broadbill.

Corydon sumatranus sumatranus (Raffl.).

Coracias Sumatranus Raffles, Trans. Linn. Soc. xiii, 1822, p. 303 : Sumatra.

Eurlaimus corydon Temm., Pl. Col. 297, 1824 : Sumatra.

Corydon temminckii Less., Man. d'Orn. i, 1828, p. 177 : Sumatra.

Distr.—Malay Peninsula.
Sumatra.

Corydon sumatranus brunnescens Hart.

Corydon sumatranus brunnescens Hartert, Bull. Brit. Orn. Cl. xxxvii, 1916, p. 4 : Baram, Sarawak.

Distr.—Borneo; North Natuna Islands.

Genus **CYMBIRHYNCHUS** Vigors.

Cymbirhynchus macrorhynchos (Gmel.). Black-and-Red Broadbill.

Cymbirhynchus macrorhynchos macrorhynchos (Gmel.).

Todus macrorhynchos Gmelin, Syst. Nat. i, pt. 1, 1788, p. 446 : Borneo.

Todus nasutus Lath., Index Orn. i, 1790, p. 268 : nom. nov.

Erolla nasica Less., Traité d'Orn. 1830, p. 260 : nom. nov.

Eurlaimus lemniscatus Raffl., Trans. Linn. Soc. xiii, 1822, p. 296 : Bencoolen, West Sumatra.

Distr.—Sumatra (west).
Borneo.

Cymbirhynchus macrorhynchos malaccensis Salvad.

Cymborhynchus malaccensis Salvadori, Att. R. Accad. Sci. Torino, ix, 1874, p. 425 : Malacca.

Distr.—Malay Peninsula.
Sumatra (east); Banka; Billiton.

Family **PITTIDÆ**.

Genus **PITTA** Vieillot.

Pitta cærulea (Raffl.). Giant Pitta.

Pitta cærulea cærulea (Raffl.).

Myiothera cærulea Raffles, Trans. Linn. Soc. xiii, 1822, p. 301 : Sumatra.

Pitta gigas Temm., Pl. Col. 217, 1823 : Sumatra.

Brachyurus davisoni Hume, Stray Feathers, iii, 1875, p. 321 : hills dividing Siam and Tenasserim.

Distr.—Malay Peninsula.
Sumatra.

Pitta cœrulea hosei Baker.

Pitta cœrulea hosei Baker, Bull. Brit. Orn. Cl. xxxix, 1918, p. 20 :
Mt. Dulit, Sarawak.

Distr.—Borneo.

Pitta nipalensis (Hodgs.).

[*Pitta nipalensis nipalensis* (Hodgs.).

Paludicola Nipalensis Hodgson, Journ. Asiat. Soc. Bengal, vi, 1837,
p. 103 : Nepal.

Distr.—Extra-limital.]

Pitta nipalensis schneideri Hart.

Schneider's Pitta.

Pitta schneideri Hartert, Bull. Brit. Orn. Cl. xxv, 1909, p. 9 : Battak
Mts., North Sumatra.

Distr.—Sumatra.

Pitta brachyura (Linn.).

Lesser Blue-winged Pitta.

Pitta brachyura brachyura (Linn.).

Corvus brachyurus Linn., Syst. Nat. 12th ed. i, 1766, p. 158 :
Ceylon.

Pitta brachyura cyanoptera Temm.¹

Pitta cyanoptera Temminck, Pl. Col. 218, 1823 : Sumatra.

Pitta Malaccensis Blyth, (nec Müll. and Schleg.), Journ. Asiat. Soc.
Beng. xii, 1843, p. 960 : Malacca.

Pitta moluccensis lepta Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 8 :
Nias Island, West Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; West Sumatra islands of Banjak
group, Nias and Mentawi group.

Borneo; North Natuna Islands.

Java.

Pitta megarhyncha Schleg².

Larger Blue-winged Pitta.

Pitta megarhyncha Schlegel, Vög. Ned. Ind. 1863, *Pitta*, p. 11, pl.
4, fig. 2 : Banka.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka.

¹ We consider that *Turdus moluccensis* Müll. is only doubtfully applicable to this bird. Small birds resembling *lepta* occur in other parts of Malaysia.

² Perhaps a southern breeding race of *P. brachyura*.

Pitta nympha Temm. and Schleg. Chinese Blue-winged Pitta.

***Pitta nympha nympha** Temm. and Schleg.

Pitta nympha Temminck and Schlegel, Fauna Japon., Aves, 1850, p. 135, Suppl. Tab. A : Korea.

Pitta berta Salvad., Att. Sci. Tor. iii, 1868, p. 527 : Borneo.

Distr.—Borneo.

Pitta sordida P. L. S. Müll. Green-breasted Pitta.

[**Pitta sordida sordida** (P. L. S. Müll.).

Turdus sordidus P. L. S. Müller, Natursyst. Suppl. 1776, p. 143 : Philippine Islands.

Distr.—Extra-limital.]

Pitta sordida mulleri Bp.

Pitta mulleri Bonaparte, Consp. Gen. Avium, i, 1850, p. 256 : Celebes, error=South-east Borneo.

Pitta sordida sumatrana Kloss, Treubia, xiii, 1931, p. 332 : Palembang, Sumatra.

Pitta sordida javana Kloss, Treubia, xii, 1931, p. 332 : Bandjar, Java.

Distr.—Sumatra.

Borneo.

Java (west).

Pitta sordida cucullata Hartl.

Pitta cucullata Hartlaub, Rev. Zool. 1843, p. 65 : Malacca.

Pitta malaccensis Müll. and Schl., Verh. Nat. Gesch., Zool. *Pitta*, 1840, p. 19 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Nias Island, West Sumatra.

Java.

Pitta sordida bangkana Schleg.

Pitta bangkana Schlegel, Vög. Ned. Ind., *Pitta* 1863, p. 8, pl. 2, fig. 5 : Banka Island.

Distr.—Banka; Billiton.

Pitta venusta Sal. Müll. Black-and-Scarlet Pitta.

Pitta venusta venusta S. Müll.

Pitta venusta Sal. Müller, Tijd. Nat. Ges. Phys. ii, 1835, p. 348, pl. 5, fig. 4 : West Sumatra.

Distr.—Sumatra.

Pitta venusta ussheri Sharpe.

Pitta ussheri Sharpe, Proc. Zool. Soc. 1877, p. 94 : Lawas River, North Borneo.

Distr.—Borneo.

Pitta granatina Temm.¹ Red-headed Pitta.

Pitta granatina granatina Temm.

Pitta granatina Temminck, Pl. Col. 506, 1830 : Borneo.

Pitta granatina borneensis Ell., Auk, ix, 1892, p. 218 : Borneo.

Distr.—Borneo.

Pitta granatina coccinea Eyton.

Pitta coccinea Eyton, Proc. Zool. Soc. 1839, p. 104 : Malacca.

Pitta granatina vanheurni Kloss, Journ. Fed. Mal. States Mus. x, 1921, p. 212 : Langkat, North-east Sumatra.

Distr.—Malay Peninsula.
Sumatra.

Pitta arcuata Gould.² Blue-banded Pitta.

Pitta (Phœnicocichla) arcuata Gould, Ann. Mag. Nat. Hist. (4), vii, 1871, p. 340 : Borneo.

Distr.—Borneo.

Pitta guajana³ (P. L. S. Müll.). Banded Pitta.

Pitta guajana guajana (P. L. S. Müll.).

Turdus guajanus P. L. S. Müller, Natursyst. Suppl. 1776, p. 145 : Banjoewangi, East Java, (*restr. Kloss, 1926*).

Turdus cyanurus Bodd., Tabl. Pl. Enlum. 1783, p. 21 : Java.

Distr.—Java (East); Bali.

Pitta guajana affinis (Horsf.).

Myiothera affinis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 154 : Bantam Province, West Java (*restr. Kloss, 1926*).

Distr.—Java (West).

Pitta guajana schwaneri Bp.

Pitta schwaneri Bonaparte, Consp. Gen. Avium 1, 1850, p. 256 : Borneo.

Distr.—Borneo.

Pitta guajana irena Temm.

Pitta irena Temminck, Pl. Col. text opposite pl. 591, 1836 : Sumatra.

Pitta boschii Müll. and Schleg., Verh. Nat. Gesch., Zool., *Pitta*, 1840, p. 5, pl. 1 : Sumatra.

Distr.—Malay Peninsula.
Sumatra.

¹ All the Malaysian black-and-scarlet pittas may be forms of *granatina*, but we need to know more of the ranges of the various forms in Sumatra and Borneo before linking them. See Bull. Raffl. Mus. 4, 1930, p. 45.

² This species seems to occupy an intermediate position between the black-and-scarlet pittas of Malaysia and the non-Malaysian forms of the *celebensis-mackloti* association.

³ Cf. Kloss, Journ. Mal. Br. Roy. Asiat. Soc. iv, 1926, p. 161.

Pitta gurneyi Hume.

Gurney's Pitta.

Pitta Gurneyi Hume, Stray Feathers, iii, 1875, p. 296, pl. 3 : South Tenasserim.

Distr.—Peninsular Siam.

Pitta baudi Müll. & Schleg.¹

Blue-headed Pitta.

Pitta baudi Müller and Schlegel, Verh. Nat. Gesch., Zool., *Pitta*, 1840, pp. 10, 15, pl. 2 : Borneo.

Distr.—Borneo.

Family HIRUNDINIDÆ.

Genus **DELICHON** Horsfield and Moore.

Delichon urbica (Linn.).

House-Martin.

[*Delichon urbica urbica* (Linn.).

Hirundo urbica Linn., Syst. Nat. 10th. ed. 1758, p. 192 : Sweden, Europe.

Distr.—Extra-limital.]

Delichon urbica dasypus (Bp.).

Chelidon dasypus Bonaparte, Consp. Gen. Avium, i, 1850, p. 343 : Borneo.

Distr.—Malay States.

?Rhio Arch. (*vis.*).

Borneo.

Java.

Genus **HIRUNDO** Linn.

Hirundo rustica Linn.²

Common Swallow.

[*Hirundo rustica rustica* Linn.³

Hirundo rustica Linn., Syst. Nat. 10th. 1758, p. 191 : Sweden.

Distr.—Extra-limital.]

Hirundo rustica gutturalis Scop.

Hirundo gutturalis Scopoli, Del. Flor. et Faun. Insub. ii, 1786, p. 96 : Philippine Islands.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; West Sumatran Islands of Simalur and Siberut.

Borneo; Bornean Islands; North Natuna Islands.

Java; Bali; Christmas and Cocos-Keeling Islands.

¹ The nearest relative of this strangely isolated form seems to be *P. gurneyi* of Burma and Siam!

² Cf. Oberh., Bull. U.S. Nat. Mus. 98, 1917, p. 28.

³ There seems to be no satisfactory record for the occurrence of the typical form of the swallow in Malaysia.

Hirundo tahitica Gmel.¹ Coast-Swallow.

[**Hirundo tahitica tahitica** Gm.

Hirundo tahitica Gmelin, Syst. Nat. i, pt. 2, 1789, p. 1016: Tahiti.

Distr.—Extra-limital.]

Hirundo tahitica javanica Sparrm.

Hirundo javanica Sparrman, Mus. Carls. iv, 1789, pl. 100: Java.

Distr.—Sumatra (Lampongs).

Java; Kangean Islands.

Hirundo tahitica abbotti (Oberh.).

Hypurolepis javanica abbotti Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 32: Manguan Island, Anamba Islands.

Hypurolepis javanica mesata Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 51: Seraia Island, Natuna Islands.

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.

Sumatra (not Lampongs); Rhio Archipelago; Billiton; Mendanau.

Borneo; North Bornean Islands; Natuna Islands; Karimata Islands.

***Hirundo tahitica hypolampra** (Oberh.).²

Hypurolepis javanica hypolampra Oberholser, Journ. Wash. Acad. Sciences, xvi, 1926, p. 515: Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Hirundo daurica Linn.

[**Hirundo daurica daurica** Linn.

Hirundo daurica Linn., Mantissa Plant., ii, 1771, p. 528: Siberia.

Distr.—Extra-limital.]

***Hirundo daurica striolata** Temm. & Schleg. Striated Swallow.

Hirundo striolata Temminck and Schlegel, Fauna Japon., Aves, 1847, p. 33: Java.

Distr.—Borneo.

Java.

Hirundo daurica badia (Cass.). Cliff-Swallow.

Cecropis badia Cassin, Proc. Philad. Acad. Sci. 1853, p. 371: Malacca.

Cecropis archetes Hume, Stray Feathers, v, 1877, p. 266: Malacca.

Distr.—Malay Peninsula.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 51.

² We have never seen topotypes of this race but do not consider that birds from Sumatra which island was included in the range of *hypolampra* are separable from *abbotti*.

Genus **RIPARIA** Forster.

Riparia riparia (Linn.).

Sand-Martin.

[**Riparia riparia riparia** (Linn.).

Hirundo riparia Linn., Syst. Nat. 10th. ed. 1758, p. 192 : Sweden.

Distr.—Extra-limital.]

***Riparia riparia ijimæ** (Lönnb.).

Clivicola riparia ijimæ Lönnberg, Journ. Coll. Sci. Tokyo, xxiii, art 14, 1908, p. 38 : Sachalin.

Distr.—Borneo.

Family **MUSCICAPIDÆ**.¹

Genus **HEMICHELIDON** Hodgson.

Hemichelidon sibirica (Gmel.).³

Sooty Flycatcher.

Hemichelidon sibirica sibirica (Gmel.).²

Muscicapa sibirica Gmelin, Syst. Nat. i, pt. 2, 1789, p. 936 : Lake Baikal.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra.

Borneo; Natuna Islands.

Java.

Hemichelidon sibirica fuliginosa Hodgs.

Hemichelidon fuliginosa Hodgson, Proc. Zool. Soc. 1845, p. 32 : Nepal.

Distr.—Peninsular Siam.

¹ It is certain that more genera are recognized here than is necessary, but although several authors have made bold attempts to lump the palæarctic genera, the tropical groups have not been included in their reviews. We have, therefore, chosen to be conservative rather than inconsistent but it may be noted that of the genera recognized here Hartert has already merged *Hemichelidon*, *Alseonax*, *Siphia*, *Cyornis*, *Poliomyias*, *Zanthopygia*, and *Cyanoptila*. "*Muscitrea*" is here placed in the *Laniidæ* for we do not see how it can be separated from *Pachycephala*.

² We have seen several supposed examples of *H. griseisticta* Swinh., from Borneo but they are all really *H. sibirica*. Some Malaysian birds may be *H. s. incerta* La Touche (North China) which we have not seen.

³ Cf. Baker, Bull. B. O. C. xliii, 1923, p. 155.

Hemichelidon ferruginea Hodgs. Ferruginous Flycatcher.

Hemichelidon ferruginea Hodgson, Proc. Zool. Soc. 1845, p. 32 : Nepal.

Hemichelidon cinereiceps Sharpe, Ibis, 1887, p. 441 : Mt. Kinabalu, Borneo.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Genus **ALSEONAX** Cabanis.

Alseonax latirostris (Raffl.). Brown Flycatcher.

Alseonax latirostris latirostris (Raffl.).

Muscicapa latirostris Raffles, Trans. Linn. Soc. xiii, 1822, p. 312 : Sumatra.

Distr.—Malay Peninsula.

Sumatra; Siberut Island, West Sumatra.

Borneo; Natuna Islands.

Java.

Genus **SIPHIA** Hodgson.¹

Siphia parva (Bechst.). Red-breasted Flycatcher.

[**Siphia parva parva** Bechst.

Muscicapa parva Bechstein, Getreue Abbild. Heft 2, 1793, p. 26 : Holland.

Distr.—Extra-limital.]

Siphia parva albicilla (Pall.).

Muscicapa Albicilla Pallas, Zoogr. Rosso-Asiat. i, 1811, p. 462 : Dauria.

Distr.—Peninsular Siam.

Genus **CYORNIS** Blyth.²

Cyornis vivida Swinh. Blue-and-Orange Flycatcher.

[**Cyornis vivida vivida** Swinh.

Cyornis vivida Swinhoe, Ibis, 1864, p. 363 : Formosa.

Distr.—Extra-limital.]

¹ *Siphia obscura* Sharpe, Proc. Zool. Soc. 1881, p. 789 (Borneo), is an American bird.

² Revisions: Stres., Orn. Monatsber. xxxiii, 1925, p. 45; Rob. and Kinn., Nov. Zool. xxxiv, 1928, p. 231; Chas. and Kl., Bull. Raff. Mus. 2, 1929, p. 23.

Cyornis vivida sumatrana (Salvad.).

Niltava sumatrana Salvadori, Ann. Mus. Civ. Gen. (1), xiv, 1879, p. 201 : Mt. Singalan, West Sumatra.

Cyornis peninsularis Robinson, Journ. Fed. Mal. States Mus., ii, 1909, p. 163 : Telom, Perak, Malay Peninsula.

Distr.—Malay States.
Sumatra.

Cyornis concreta (S. Müll.).

Cyornis concreta concreta (S. Müll.). White-tailed Blue Flycatcher.

Muscicapa concreta Sal. Müller, Tijds. Nat. Ges. Phys. ii, 1835, p. 351 : West Sumatra.

Distr.—Malay States.
Sumatra.

Cyornis concreta everetti (Sharpe). Everett's Blue Flycatcher.

Siphia everetti Sharpe, Ibis, 1890, p. 360 : Mt. Penrissen, West Sarawak, Borneo.

Distr.—Borneo.

***Cyornis ruecki** Gust. Rueck's Blue Flycatcher.

Cyornis ruecki Oustalet, Bull. Soc. Philomath. (7) v, 1881, p. 78 : Malacca.

Cyornis vanheysti Robinson and Kloss, Journ. Straits Branch Roy. Asiat. Soc. 80, 1919, p. 104 : North-east Sumatra.

Distr.—Malay States.
Sumatra (north-east).

Cyornis unicolor Blyth. Pale Blue Flycatcher.

[**Cyornis unicolor unicolor** Blyth.

Cyornis unicolor Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 1007 : Darjeeling.

Distr.—Extra-limital.]

Cyornis unicolor infusata Hart.

Cyornis unicolor infusata Hartert, Nov. Zool. ix, 1902, p. 550 : Java.

Cyornis unicolor harterti Rob. and Kinn., Nov. Zool. xxxiv, 1928, p. 256 : Java.

Distr.—Malay Peninsula.
Sumatra.
Borneo.
Java.

Cyornis rubeculoides (Vigs.). Blue-throated Flycatcher.

[**Cyornis rubeculoides rubeculoides** (Vigs.).

Phœnicura rubeculoides Vigors, Proc. Zool. Soc. 1831, p. 35:
N.W. Himalayas.

Distr.—Extra-limital.]

Cyornis rubeculoides dialilaema Salvad.

Cyornis dialilaema Salvadori, Ann. Mus. Civ. Gen. (2a), vii, 1889,
p. 387, North Tenasserim.

Cyornis rubeculoides chersonites Oberh., Proc. Biol. Soc. Wash. xxxiii,
1920, p. 85: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Cyornis rubeculoides glaucicomans Thayer & Bangs.

Cyornis tickelliae glaucicomans Thayer and Bangs, Bull. Mus.
Comp. Zool. lii, 1909, p. 141: Hupeh, Central China.

Cyornis anak Robinson and Kloss, Journ. Fed. Mal. States Mus., x,
1922, p. 261: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Cyornis turcosa (Brüggm.). Malaysian Blue Flycatcher.

Cyornis turcosa turcosa (Brügg.).

Muscicapa turcosa Brüggeman, Abhandl. Nat. Ver. Bremen, v,
1877, p. 457: Muara Tewah, South-east Borneo.

Muscicapa elegans Temm., Pl. Col. 596, fig. 2, 1836: Sumatra (nec
M. elegans Less.).

Cyornis elegans antelia Oberh., Proc. Biol. Soc. Wash. xxxiii, 1920,
p. 87: Long Iram, North-east Borneo.

Distr.—Borneo (south-east).

Cyornis turcosa rupertensis Oberh.

Cyornis elegans rupertensis Oberholser, Proc. Biol. Soc. Wash.
xxxiii, 1920, p. 87, Rupert Strait, South-east Sumatra.

Distr.—Malay States.

Sumatra.

Borneo (west).

Cyornis rufigastra (Raffl.). Common Blue Flycatcher.

Cyornis rufigastra rufigastra (Raffl.).

Muscicapa rufigastra Raffles, Trans. Linn. Soc. xiii, 1822, p. 312:
Sumatra.

Siphia beccariana Salvad., Atti. R. Acad. Torino, iii, 1868, p. 533:
Sarawak.

Cyornis frenatus Hume, Stray Feathers, ix, 1880, p. 114: Jeram, Selangor.

Cyornis hosei Finsch, Notes Leyd. Mus., xxiii, 1901, p. 48: Borneo.

Cyornis erythrogaster Sharpe, Handlist of Birds, iii, 1901, p. 216: nom. emend. for *rufigastra*.

Cyornis banyumas calocephala Oberh., Proc. Biol. Soc. Wash. xxxiii, 1920, p. 86: Banka.

Distr.—Malay States.

Sumatra; Rhio Archipelago; Lingga Archipelago; Banka.

Borneo; North Bornean Islands; Maratua Islands.

****Cyornis rufigastra rhizophorae* Stres.**

Cyornis rhizophorae Stresemann, Orn. Monatsb. xxxiii, 1925, p. 50: Coast of North-west Java.

Distr.—Java (west); Sebesi Island, Sunda Strait.¹

***Cyornis rufigastra sumatrensis* (Sharpe).**

Siphia sumatrensis Sharpe, Cat. Birds, Brit. Mus. iv, 1879, p. 451: Sumatra.

Distr.—Malay Peninsula (not south).

Sumatra.

***Cyornis rufigastra lampra* Oberh.**

Cyornis banyumas lampra Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 35: Pulau Jimaja, Anamba Islands.

Distr.—Anamba Islands.

***Cyornis rufigastra longipennis* Chas. and Kloss.**

Cyornis rufigastra longipennis Chasen and Kloss, Treubia, xii, 1930, p. 271: Karimon-Java Island, Java Sea.

Distr.—Karimon-Java Islands.

***Cyornis rufigastra karimatensis* Oberh.**

Cyornis banyumas karimatensis Oberholser, Proc. U.S. Nat. Mus. lxiv, 1924, Art. 22, p. 3: Karimata Island.

Distr.—Karimata Islands, West Borneo.

***Cyornis banyumas* (Horsf.).**

Hill Blue Flycatcher.

***Cyornis banyumas banyumas* (Horsf.).**

Muscicapa Banyumas Horsfield, Trans. Linn. Soc. xiii, 1821, p. 146: Province of Banyumas, Java.

Cyornis banyumas limitans Rob., Bull. B. O. Cl. xlviii, 1927, p. 44: Tamansari, East Java.

Distr.—Java (east and central).

¹ We have never seen topotypical *rhizophora*, but the Sebesi birds are rather lighter blue above than most examples of *rufigastra* and we therefore refer them to the Javan form.

Cyornis banyumas cantatrix (Temm.).

Muscicapa cantatrix Temminck, Pl. Col. 226, 1823 : Bantam, West Java.

Distr.—Java (west).

Cyornis banyumas cœrulifrons Baker.

Cyornis magnirostris cœrulifrons Baker, Bull. Brit. Orn. Cl. xxxix, 1918, p. 8 : Peninsular Siam.

Distr.—Malay Peninsula.

Cyornis banyumas magnirostris Blyth.

Cyornis magnirostris Blyth, Journ. Asiat. Soc. Bengal, xviii, 1849, p. 814 : Darjeeling.

Distr.—Peninsular Siam.

Cyornis banyumas montana Rob. and Kinn.

Cyornis whitei montana Robinson and Kinnear, Nov. Zool. xxxiv, 1928, p. 244 : Mt. Liang Kubang, Central Borneo.

Distr.—Borneo.

Cyornis cœrulata (Bp.).

Large-billed Blue Flycatcher.

Cyornis cœrulata cœrulata (Bp.).

Schwaneria cœrulata Bonaparte, Rev. Mag. Zool. (2) ix, 1857, p. 54 : Sambarajan, South Borneo.

Distr.—Borneo (south, east and north).

Cyornis cœrulata rufifrons Wall.

Cyornis rufifrons Wallace, Proc. Zool. Soc. 1865, p. 476 : Sarawak.

Cyornis nigrigularis Everett, Ibis, 1891, p. 45 : Mt. Penrissen, Sarawak.

Distr.—Borneo (west, and Sarawak).

Cyornis cœrulata albiventer Junge.

Cyornis cœrulata albiventer Junge, Ardea, xxii, 1933, p. 105 : Deli, North Sumatra.

Distr.—Sumatra.

Cyornis superba Stres.

Bornean Blue Flycatcher.

Cyornis superba Stresemann, Orn. Monatsb. xxxiii, 1925, p. 52 : Mt. Penrissen, Sarawak.

Distr.—Borneo.

MUSCICAPIDÆ.

Genus **POLIOMYIAS** Sharpe

Poliomyias mugimaki (Temm.)¹ Black-and-Orange Flycatcher.

Muscicapa Mugimaki Temminck, Pl. Col. 577, fig. 2, 1835 : Japan.

Siphia erythaca Blyth, Journ. Asiat. Soc. Beng. xvi, 1847, p. 126 : Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Genus **MUSCICAPELLA** Bianchi.

Muscicapella hodgsoni (Horsf. and Moore). Pygmy Blue Flycatcher.

[**Muscicapella hodgsoni hodgsoni** (Horsf. and Moore).

Nemura hodgsoni Horsfield and Moore, Cat. Birds. Mus. East Ind. Coy. i, 1854, p. 300 : Nepal.

Distr.—Extra-limital.]

Muscicapella hodgsoni sondaica (Rob. and Kloss).

Nitidula hodgsoni sondaica Robinson and Kloss, Journ. Fed. Malay States Mus., xi, 1923, p. 54 : Korinchi Peak, West Sumatra.

Distr.—Malay States.

Sumatra.

Borneo.

Genus **MUSCICAPULA** Blyth.

Muscicapula melanoleuca Blyth. Little Pied Flycatcher.

[**Muscicapula melanoleuca melanoleuca** Blyth.

Muscicapula melanoleuca Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 490 : Nepal.

Distr.—Extra-limital.]

Muscicapula melanoleuca westermanni Sharpe.

Muscicapula westermanni Sharpe, Proc. Zool. Soc. 1888, p. 270 : Gunong Ulu, Perak, Malay Peninsula.

Distr.—Malay Peninsula.

Sumatra (not south).

Borneo.

Muscicapula melanoleuca hasselti (Finsch).²

Muscicapa Hasselti Finsch, Notes Leyd. Mus. xx, 1898, p. 94 : Java.

Distr.—Sumatra (south only).

Java; Bali.

¹ It is possible that *Muscicapa rufigula* first mentioned by Müll., Tijds. Nat. Gesch. Phys. ii, 1835, p. 351 (nom. nud. here) and probably from Sumatra applies to this bird. See Sharpe, Notes Leyd. Mus. i, 1879, p. 27.

² This name has been ascribed to Robinson and Kloss, but Finsch's remarks seem to constitute a valid description.

Genus **DENDROBIASTES** Sharpe.¹**Dendrobiastes hyperythra** (Blyth).² Rufous-breasted Flycatcher.**[Dendrobiastes hyperythra hyperythra** (Blyth).*Muscicapa hyperythra* Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 885: Nepal.*Distr.*—Extra-limital.]**Dendrobiastes hyperythra malayana** (Grant).*Muscicapula malayana* O.-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 10: Mt. Tahan, Malay Peninsula.*Dendrobiastes hyperythrus sumatranus* Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 52: Mt. Korinchi, West Sumatra.*Distr.*—Malay States.
Sumatra.
Borneo.**Dendrobiastes hyperythra mjobergi** Hart.*Dendrobiastes hyperythrus mjobergi* Hartert, Sarawak Mus. Journ. iii, 1925, p. 1: Mt. Poi, West Sarawak.*Distr.*—Borneo (west).³**Dendrobiastes hyperythra vulcani** Rob.*Dendrobiastes hyperythra vulcani* Robinson, Journ. Fed. Mal. States Mus., vii, 1918, p. 235: Tjibodas, West Java.*Distr.*—Java; Bali.Genus **ANTHIPES** Blyth.**Anthipes solitaris** (S. Müll.). White-gorgeted Flycatcher.**Anthipes solitaris solitaris** (S. Müll.).*Muscicapa solitaris* Sal. Müller, Tijds. Nat. Gesch. Phys. 1835, p. 351: Padang, West Sumatra.*Distr.*—Sumatra.⁴¹ Revisions: Stres., Nov. Zool. xix, 1912, p. 330; Snouck. v. Schaub., Org. Cl. Ned. Vog. ii, 1929, p. 52.² We have no material to decide whether *Muscicapa superciliaris* Jerdon, 1840, and *Dimorpha superciliaris* Blyth, 1842, are congeneric and have accordingly used Blyth's substitute name *Muscicapa hyperythra* published later in 1842. *Siphia hyperythra* Cabanis, 1866, must also be kept in mind in the case of any extensive lumping of Oriental genera.³ Kinnear (Ibis, 1929, p. 134) has suggested that *mjobergi* is a species because it appears to occur side by side with *malayana* on Mt. Kinabalu in North Borneo: we have seen many skins of this species from Kinabalu and all are *malayana* except one male in the British Museum: as this bird bears no field label except a number, which if a record of altitude does not agree with its new label (2,100 m. against 8,000 feet) we feel at liberty to doubt its provenance.⁴ The north Sumatran race is perhaps *A. s. malayana*, but we have only examined one not fully adult bird.

MUSCICAPIDÆ.

Anthipes solitaris malayana (Sharpe).

Digenea malayana Sharpe, Proc. Zool. Soc. 1888, p. 247: Larut, Perak.

Distr.—Malay States.

Anthipes solitaris submoniliger Hume.

Anthipes submoniliger Hume, Str. Feath. v, 1877, p. 105: Mt. Muleyit, Tenasserim.

Distr.—Peninsular Siam.

Genus **NILTAVA** Hodgson.

Niltava grandis (Blyth).

Malaysian Niltava.

[*Niltava grandis grandis* (Blyth).

Chaitaris grandis Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 189: Darjeeling.

Distr.—Extra-limital.]

Niltava grandis decipiens Salvad.

Niltava decipiens Salvadori, Ann. Mus. Civ. Gen. (2) xii, 1892, p. 49: Sumatra.

Distr.—Sumatra.

Malay States.

Genus **OREICOLA** Bonaparte.

Oreicola dumetoria (Wall.).

Short-tailed Flycatcher.

Oreicola dumetoria dumetoria (Wall.).

Saxicola (?) *dumetoria* Wallace, Proc. Zool. Soc. 1863, p. 490: Lombok.

Siphia vordermani Sharpe, Ibis, 1890, p. 206: Mt. Gede, West Java.

Distr.—Java.

Oreicola dumetoria muelleri (Blyth).

Muscicapa muelleri Blyth, Ibis, 1870, p. 166: Sumatra.

Siphia elopurensis Sharpe, Ibis, 1890, p. 206: Sandakan, North Borneo.

Distr.—Malay Peninsula.

Sumatra

Borneo.

Genus **GERYGONE** Gould.**Gerygone fusca** (Gould).¹

Fly-eater.

[**Gerygone fusca fusca** (Gould).]*Psilopus fuscus* Gould, Synopsis Birds Australia, iv, 1838, pl. 61 :
Swan River, West Australia.*Distr.*—Extra-limital.]**Gerygone fusca sulphurea** Wall.*Gerygone sulphurea* Wallace, Proc. Zool. Soc. for 1863, 1864, p. 490 : Solor.*Gerygone modiglianii* Salvad., Ann. Mus. Gen. (2) xii, 1891, p. 52 :
Toba Lake, North-east Sumatra.*Gerygone pectoralis*² Davison, Ibis, 1892, p. 99 : Pahang coast, Malay States.*Gerygone salvadorii* Büttik., Notes Leyden Mus., xv, 1893, p. 175 : South Borneo.*Gerygone modiglianii jacobsoni* van Oort, Notes Leyden Mus., xxxi, 1909, p. 207 : islet near Batavia, W. Java.*Gerygone modiglianii muscicapa* Oberh., Smiths, Misc. Coll. lx, No. 7, 1912, p. 11 : Engano Island.*Gerygone sulphurea plesseni* Stres., Ornith. Monatsber. xxxiv, 1926, p. 22 : Bali.*Distr.*—Malay Peninsula.

Sumatra; Engano Island, West Sumatra.

Borneo; Maratua Islands.

Java; Bali; Karimon-Java Islands.

Genus **ZANTHOPYGIA** Blyth.**Zanthopygia narcissina** (Temm.). Black-and-Yellow Flycatcher.***Zanthopygia narcissina narcissina** (Temm.).*Muscicapa narcissina* Temminck, Pl. Col. 577, fig. 1, 1835 : Japan.*Distr.*—Borneo.**Zanthopygia narcissina zanthopygia** (Hay).*Muscicapa Zanthopygia* Hay, Madras Journal xiii, 1845, p. 162 :
Malacca.*Muscicapa (Muscicapula) tricolor* Hartl., Rev. Zool. 1845, p. 406 :
"Malacca?"*Distr.*—Malay Peninsula; Anamba Islands; Sumatra; Java.¹ We have followed Meise (Zool. Nov. xxxv, 1931, p. 371) in our treatment of this species.² The type of *pectoralis* is not in Singapore.

Genus **CYANOPTILA** Blyth.**Cyanoptila cyanomelana** (Temm.). Blue-and-White Flycatcher.***Cyanoptila cyanomelana cyanomelana** (Temm.).*Muscicapa cyanomelana* Temminck, Pl. Col. 470, 1829: Japan.*Distr.*—Java.¹**Cyanoptila cyanomelana cumatilis** Thayer and Bangs.*Cyanoptila cumatilis* Thayer and Bangs, Bull. Mus. Comp. Zool. lxii, 1909, p. 141: Hupeh, China.*Distr.*—Malay Peninsula.

Sumatra.

Java; Karimon-Java Islands.

Cyanoptila cyanomelana intermedia (Weig.).*Muscicapa cyanomelana intermedia* Weigold, Abh. Ber. Zool. Mus. Dresden, xv, 1922, 3, p. 30: Vladivostok area.*Distr.*—Borneo.Genus **HYPOTHYMIS** Boie.²**Hypothymis azurea** (Bodd.). Black-naped Flycatcher.**[Hypothymis azurea azurea** Bodd.*Muscicapa azurea* Boddaert, Tabl. Planch. Enlum., 1783, p. 41: Philippine Islands.*Distr.*—Extra-limital.]**Hypothymis azurea styani** (Hartl.).*Siphia styani* Hartlaub, Abh. Nat. Ver. Bremen, xvi (2), 1898, p. 248: Hainan.*Distr.*—Peninsular Siam.**Hypothymis azurea prophata** Oberh.*Hypothymis azurea prophata* Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 597: Karimon Island near Singapore.*Distr.*—Malay States.

Sumatra; Rhio Archipelago; Lingga Archipelago; Banka; Billiton.

Borneo; North Bornean Islands; Maratua Islands.

¹ Messrs. Bartels and Stresemann consider that this race occurs in Java: our black-breasted birds from Borneo answer to the description of *intermedia* and are less blue above than some topotypical males of *cyanomelana*. Kuroda (1933) mentions *C. c. cyanomelana* as occurring in winter in the Malay Peninsula, Sumatra, Borneo, and Java, but this extensive Malaysian range may be based on uncritical records in literature and in our list we have, therefore, only included birds we have examined with a view to subspecific identification with the exception of typical *cyanomelana* which is accepted for Java on published authority.

² Revisions: Stres., Nov. Zool. xx, 1913, p. 289; Oberh., Proc. U.S. Nat. Mus. xxxix, 1911, p. 585; Oberh., Bull. U.S. Nat. Mus. 98, 1917, p. 38; Snouck. v. Schaub., Org. Cl. Ned. Vog. ii, 1929, p. 61.

Hypothymis azurea javana Chas. and Kloss.

Hypothymis azurea javana Chasen and Kloss, Bull. Raffles Mus. 2, 1929, p. 22 : Badjoelmati, East Java.

Distr.—Java; Karimon-Java Island.

***Hypothymis azurea symmixta** Stres.

Hypothymis azurea symmixta Stresemann, Journ. f. Ornith. 1926, p. 554 : Alor.

Distr.—Bali.

Hypothymis azurea karimatensis Chas. and Kloss.

Hypothymis azurea karimatensis Chasen and Kloss, Bull. Raffles Mus. 7, 1932, p. 8 : Serutu Island, Karimata Islands.

Distr.—Karimata Islands, West Borneo.

Hypothymis azurea opisthocyanea Oberh.

Hypothymis azurea opisthocyanea Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 602 : Piling Island, Anamba Islands.

Distr.—Anamba Islands; Tambelan Islands.

Hypothymis azurea giganteptera Oberh.

Hypothymis azurea giganteptera Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 600 : Bunguran Island, North Natuna Islands.

Distr.—Natuna Islands.

Hypothymis azurea aeria Bangs and Peters.

Hypothymis aeria Bangs and Peters, Occ. Papers Boston Soc. Nat. Hist. v, 1927, p. 237 : Maratua Island.

Distr.—Maratua Island, East Borneo.

***Hypothymis azurea consobrina** Richm.

Hypothymis consobrina Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 189 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

Hypothymis azurea abbotti Richm.

Hypothymis abbotti Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 189 : Babi Island, West Sumatra.

Distr.—Islands of Babi and Lasia, West Sumatra.

***Hypothymis azurea isocara** Oberh.

Hypothymis azurea isocara Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 606; Bangkaru Island, Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

† Rensch considers that the Bali bird is only *prophata* >< *symmixta*.

***Hypothymis azurea amelis** Oberh.

Hypothymis azurea amelis Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 608 : Nias Island.

Distr.—Nias Island, West Sumatra.

***Hypothymis azurea ponera** Oberh.

Hypothymis azurea ponera Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 604 : Tana Masa Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Hypothymis azurea leucophila Oberh.

Hypothymis azurea leucophila Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 607 : North Pagi Island, West Sumatra.

Hypothymis azurea sipora Chasen and Kloss, Ibis, 1926, p. 287 : Sipora Island, West Sumatra.

Distr.—Siberut, Sipora and Pagi Islands, Mentawi Islands, West Sumatra.

Hypothymis azurea richmondi Oberh.

Hypothymis azurea richmondi Oberholser, Proc. U.S. Nat. Mus. xxxix, 1911, p. 613 : Engano Island.

Distr.—Engano Island, West Sumatra.

Genus **RHIPIDURA** Vigors and Horsfield.

Rhipidura albicollis (Vieill.). Mountain Fantail Flycatcher.

Rhipidura albicollis albicollis (Vieill.).

Platyrrhynchos albicollis Vieillot, Nouv. Dict. d'Hist. Nat. ed. 2, xxvii 1818, p. 13 : Bengal.

Distr.—Mt. Kinabalu, North Borneo.

Rhipidura albicollis atrata Salvad.†

Rhipidura atrata Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 203 : Padang, West Sumatra.

Rhipidura vidua (nec Salvad.), Schleg. in Snelleman, Midden Sumatra, iv, 1884, pl. 2 : Sumatra.

Rhipidura schlegeli Sharpe, Zool. Rec. 1883, Aves, p. 21 : new name for *R. vidua* Schleg.

Distr.—Malay Peninsula.

Sumatra.

Borneo (not Mt. Kinabalu).

† *R. a. atrata* is a thin race just recognizable by reason of the comparatively large white tips to the tail feathers but in birds from Kinabalu these tips are very small.

MUSCICAPIDÆ.

Rhipidura phoenicura Müll. Javan Mountain Fantail Flycatcher.

Rhipidura phoenicura S. Müller, Verh. Nat. Gesch. Land en Volk.
1843, p. 185: Java.

Distr.—Java.¹

Rhipidura perlata S. Müll. Spotted Fantail Flycatcher.

Rhipidura perlata perlata S. Müll.

Rhipidura perlata Sal. Müller, Verh. Nat. Gesch. Land en Volk.
1843, p. 185: Sumatra.

Leucocerca rhombifer Cab., Mus. Hein. i, 1850, p. 57: Sunda Islands.
Rhipidura guttata "Tem." Gray, Handl. Bds. i, 1869, p. 330: Borneo
(nom. nud.).

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

Rhipidura perlata euryura (S. Müll.).

Rhipidura euryura S. Müller, Verh. Nat. Gesch. Land en Volk.
1843, p. 185, footnote: Java.

Distr.—Java.²

Rhipidura javanica (Sparrm.). Fantail Flycatcher.

Rhipidura javanica javanica (Sparrm.).

Muscicapa javanica Sparrman, Mus. Carl. iii, 1788, pl. 75: Java.

Platyrhynchus perspicillatus Vieill., Nouv. Dict. d'Hist. Nat. ed. 2,
xxxvii, 1818, p. 14: Africa error=Java.

Muscicapa umbellata Sundev., Phys. Sällsk. Jedskr. Lund. 1837, p. 72:
East Java.

Distr.—Java; Bali.³

Rhipidura javanica longicauda Wall.

Rhipidura longicauda Wallace, Proc. Zool. Soc. 1865, p. 476:
Sumatra.

Leucocirca infumata Hume, Stray Feathers, i, 1873, p. 455: Acheen.,
North Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo; North Bornean Islands; Maratua group.

¹ Has also been recorded from Borneo but we think in error. In spite of its very different colour, *phoenicura* is, perhaps, only the Javan form of *R. albicollis* but as it lacks the white tips to the tail feathers, and we are unfamiliar with the many forms of this genus occurring in the regions to the east of Malaysia, we have, for the moment left *phoenicura* as a species.

² Has also been recorded from Sumatra and Borneo but we consider that its presence in both these islands requires confirmation. *R. euryura* is linked to *R. perlata* by incipient (or obsolete) spots on the under surface.

³ The Bali bird is perhaps not *javanica*.

Genus **TERPSIPHONE** Gloger.¹**Terpsiphone paradisi** (Linn.). Paradise Flycatcher.[**Terpsiphone paradisi paradisi** (Linn.).*Corvus paradisi* Linn., Syst. Nat. 10th. ed. 1758, p. 107: Ceylon (Linn. 1766).*Distr.*—Extra-limital.]**Terpsiphone paradisi affinis** (Blyth).²*Tchitrea affinis* Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 292: Malacca.*Distr.*—Malay States.

Sumatra (part); Rhio and Lingga Archipelagos; Billiton.

Terpsiphone paradisi indochinensis (Sal.).*Tchitrea affinis indochinensis* F. Salomonsen, Ibis, 1933, p. 734: Cambodia.*Distr.*—Peninsular Siam.

Sumatra (north).

Terpsiphone paradisi saturator (Sal.).*Tchitrea affinis saturator* F. Salomonsen, Ibis, 1933, p. 732: Bhutan.*Distr.*—Malay Peninsula.³**Terpsiphone paradisi borneensis** (Hart.).*Tchitrea paradisi borneensis* Hartert, Bull. Brit. Orn. Cl. xxxvi, 1916, p. 75: Sarawak.*Distr.*—Borneo.**Terpsiphone paradisi australis** Chas.*Terpsiphone paradisi australis* Chasen, Ornith. Monatsber. 1935, p. 147: Lampongs, Sumatra.*Distr.*—South (south).
Java.¹ Cf. Chas. and Kl., Journ. Mal. Br. Roy. Asiat. Soc. vi, (3), 1928, p. 65; Salomon, Ibis, 1933, p. 730.² We have a large number of these birds from the Malay Peninsula and it seems impossible to fix any definite boundary between the northern *indochinensis* and the southern *affinis* for not only is there a large area in which intermediate specimens occur, but the two forms inosculate. Birds from the territory of Malacca southwards are invariably *affinis*: those from Peninsular Siam are either *indochinensis*, or nearer to that race than to *affinis*. Some birds from Selangor and Pahang are also *affinis*. We cannot agree with Salomonsen (1933) that Sumatra is inhabited by *borneensis*. In that island the situation appears to be rather like that in the Malay Peninsula. From the north we have a pale male in brown plumage indistinguishable from *indochinensis* of Siam. Other specimens from further south are nearer to *affinis* which is the form occurring in the Rhio Archipelago. We have, however, seen very few specimens from Sumatra.³ Occurs as far south as Taiping in Perak, Malay States.

***Terpsiphone paradisi procera** (Richm.).

Tchitreia procera Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 510: Simalur Island.

Distr.—Simalur Island, West Sumatra.

Terpsiphone paradisi insularis Salvad.

Terpsiphone insularis Salvadori, Ann. Mus. Gen. (2a), iv, 1886, p. 539: Nias.

Distr.—Nias Island, West Sumatra.

Terpsiphone paradisi incei (Gould).

Muscipeta Incei Gould, Birds of Asia, ii, 1852, pl. 19: Shanghai.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Nias Island, West Sumatra.

Terpsiphone atrocaudata (Eyt.). Japanese Paradise Flycatcher.

Terpsiphone atrocaudata atrocaudata (Eyt.).

Muscipeta atrocaudata Eyton, Proc. Zool. Soc. 1839, p. 102: Malay Peninsula = Malacca.

Distr.—Malay States.
Sumatra.

Genus **DRYMOPHILA** Temminck.¹

Drymophila velata (Temm.). Maroon-breasted Flycatcher.

Drymophila velata velata (Temm.).

Drymophila velata Temminck, Pl. Col. 334, 1825: Java; *Hartert*, 1902.

Distr.—Java.

Drymophila velata cæsia (Less.).

Monarcha cæsia (sic) Lesson, Rev. Zool. 1839, p. 167: Sumatra.

Muscicapa pectoralis Hay, Madr. Journ. Lit. Sci. xiii, 1844, p. 161: Malacca.

Philentoma unicolor Blyth, Ibis, 1865, p. 46: Borneo.

Distr.—Malay Peninsula.
Sumatra.
Borneo.

Drymophila pyrhoptera (Temm.). Chestnut-winged Flycatcher.

Drymophila pyrhoptera pyrhoptera (Temm.).

Muscicapa pyrhoptera Temminck, Pl. Col. 596, 1836: Borneo.

Muscipeta plumosa Blyth, Journ. Asiat. Soc. Beng. xi, 1842, p. 791: Malacca.

Philentoma castaneum Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 229: Malacca.

¹ Cf. Kloss, Journ. F.M.S. Mus. x, 1921, p. 217.

Philentoma intermedius Hume, Stray Feathers, ix, 1880, p. 113 : Johore.
Philentoma maxwelli Bartlett, Journ. Straits Br. Roy. Asiat. Soc. xxviii,
 1895, p. 96 : Sarawak.
Philentoma saravacense Bartlett, Sarawak Note-book, pt. 9, 1896, p. 80 :
 Sarawak.

Distr.—Malay Peninsula.
 Sumatra.
 Borneo.

***Drymophila pyrhoptera dubia* (Hart.).**

Philentoma dubium Hartert, Nov. Zool. i, 1894, p. 477 : Bunguran,
 North Natuna Islands.

Distr.—Natuna Islands.

Genus RHINOMYIAS Sharpe.¹

***Rhinomyias olivacea* (Hume).²** Hume's Jungle-Flycatcher.

***Rhinomyias olivacea olivacea* (Hume).³**

Cyornis olivaceus Hume, Stray Feathers, v, 1877, p. 338 : South
 Tenasserim.

Rhinomyias pectoralis baliensis Hart., Nov. Zool. iii, 1896, p. 549 : Bali.

Distr.—Peninsular Siam.
 Sumatra; Billiton.
 Borneo; North Natuna Islands.
 Java; Bali.

***Rhinomyias olivacea perolivacea* Chas. and Kloss.**

Rhinomyias olivacea perolivacea Chasen and Kloss, Journ. f. Ornith.
 1929, ii, p. 113 : Balambangan Island.

Distr.—Balambangan and Banguay Islands, North Borneo.

***Rhinomyias brunneata* (H. H. Slater).⁴** Migratory Jungle-Flycatcher.

Siphia brunneata H. H. Slater, Ibis, 1897, p. 175 : Fokkien.

Rhinomyias tardus Rob. and Kloss, Journ. Fed. Mal. States Mus. vi,
 1915, p. 29 : Selangor, Malay States.

Distr.—Malay States.

¹ Cf. Chas. and Kl., Bull. Raff. Mus. 4, 1930, p. 56.

² Stuart Baker has proposed a new genus, *Olcyornis* for this species. It is clearly out of place in *Anthipes*, but is, obviously, one of the *Rhinomyias* association. Two other forms, *poliogenys* and *saturator*, linked to *olivacea* as subspecies by Stuart Baker are not, in our opinion, even congeneric!

³ *Hyloterpe brunneicauda* Salvad., Ann. Mus. Civ. Stor. Nat. Gen. (1), xiv, 1879, p. 210 : West Sumatra, may apply to this species, but it also seems probable that it is either *Alcippe cinerea* Blyth (1844), or *Muscitrea cinerea* Blyth (1847).

⁴ La Touche (1925) linked *R. brunneata* and *olivacea* as subspecies, but we doubt if they are thus closely related.

Rhinomyias umbratilis (Strickl.). White-throated Jungle-Flycatcher.

Rhinomyias umbratilis umbratilis (Strick.).

Trichostoma umbratile Strickland, Contr. Orn., 1849, p. 126, pl. 31 : Borneo.

Alcippe pectoralis Salvad., Atti. R. Accad. Sci. Torino, iii, 1868, p. 530 : Borneo.

Muscicapa infuscata Blyth, Ibis, 1870, p. 165 : Sumatra.

Siphia albo-olivacea Hume, Stray Feathers, v, 1877, p. 488 : Malacca.

Rhinomyias umbratilis richmondi Stone, Proc. Acad. Sci. Phil., lxiv, 1902, p. 686 : Mansalar Island, West Sumatra.

Distr.—Malay Peninsula.

Sumatra; Lingga Archipelago; Mansalar Island, West Sumatra; Billiton.

Borneo (lowlands); North Natuna Islands; Karimata Islands.

Rhinomyias umbratilis eclipsis Oberh.

Rhinomyias umbratilis eclipsis Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 12 : Tana Masa Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Rhinomyias ruficrissa¹ Sharpe. Grey-breasted Jungle-Flycatcher.

Rhinomyias ruficrissa ruficrissa Sharpe.

Rhinomyias ruficrissa Sharpe, Ibis, 1887, p. 441 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Rhinomyias ruficrissa isola (Hach.)²

Rhinomyias ruficauda isola Hachisuka, Bull. Brit. Orn. Cl. lii, 1932, p. 110 : Mt. Dulit, Sarawak.

Distr.—Borneo.

Rhinomyias gularis Sharpe. Kinabalu Jungle-Flycatcher.

Rhinomyias gularis Sharpe, Ibis, 1888, p. 385 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

¹ As with other members of this genus we can, in the absence of material, attempt no further linking of subspecies : both *R. ruficrissa* and *R. gularis*, however, seem to have very near relatives in the Philippine Islands.

² This form is only accepted after much hesitation. To it the describer refers birds from Mt. Dulit, and Mt. Kalulong in Sarawak. In our collection five skins from Dulit are rather more rufous above than a topotype of *ruficrissa* from Mt. Kinabalu, but a sixth skin from Dulit, and three from Mt. Temabo in Baram are inseparable from *ruficrissa*.

MUSCICAPIDÆ.

Genus **CULICICAPA** Swinhoe.¹

Culicicapa ceylonensis (Swains.). Grey-headed Flycatcher.

Culicicapa ceylonensis ceylonensis (Swains.).

Platyrrhynchus ceylonensis Swainson, Zool. Illus. ser. 1, 1820, pl. 13: Ceylon.

Culicicapa ceylonensis amphiala Oberh., Smiths. Misc. Coll. 1x, No. 7, 1912, p. 12: North Pagi Island, West Sumatra.

Culicicapa ceylonensis antioxantha Oberh., Smiths. Misc. Coll. lxxvi, No. 6, July, 1923, p. 9: Trang, Peninsular Siam.

Culicicapa ceylonensis pellopira Oberh., Smiths. Misc. Coll. lxxvi, No. 6, 1923, p. 9: Java.

Culicicapa ceylonensis meridionalis Baker, Bull. Brit. Orn. Cl. xlv, Oct. 1923, p. 12: Peninsular Siam.

Culicicapa ceylonensis eophila Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 58: Bunguran Island, Natuna Islands.

Distr.—Malay Peninsula.

Sumatra; Lingga Archipelago; Mentawi Islands, West Sumatra.

Borneo; North Natuna Islands.

Java; Bali.

***Culicicapa ceylonensis percnocara** Oberh.²

Culicicapa ceylonensis percnocara Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 12: Simalur Island.

Culicicapa ceylonensis pellowota Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 12: Nias Island.

Distr.—Simalur and Nias Islands, West Sumatra.

Genus **STOPORALA** Blyth.³

Stoporala indigo (Horsf.). Sunda Island Blue Flycatcher.

Stoporala indigo indigo (Horsf.).

Muscicapa indigo Horsfield, Trans. Linn. Soc. xiii, 1821, p. 146: Java.

Distr.—Java.

Stoporala indigo ruficrissa Salvad.

Stoparola ruficrissa Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 202: Padang district, West Sumatra.

Distr.—Sumatra.

¹ Cf. Chas. and Kloss, Journ. F.M.S. Mus. xiii, 1927, p. 5; Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 58.

² We have never seen skins from Simalur and Nias and therefore follow Riley in regarding birds from these islands as belonging to one race and in being distinct from typical *ceylonensis*.

³ Cf. Snouck. v. Schaub., Org. Cl. Ned. Vog. ii, 1929, p. 40.

Stoporala indigo cerviniventris Sharpe.

Stoporala cerviniventris Sharpe, Ibis, 1887, p. 444: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Stoporala thalassina (Swains.).

Verditer Flycatcher.

[*Stoporala thalassina thalassina* (Swains.).

Muscicapa thalassina Swainson, Nat. Libr. xxi, Flycatchers, 1838, p. 252: India.

Distr.—Extra-limital.]

Stoporala thalassina thalassoides (Cab.).

Glaucomyias thalassoides Cabanis, Mus. Hein. i, 1851, p. 53, footnote; new name for *Muscicapa thalassina* Bp. (nec Swains.): Sumatra.

Distr.—Malay Peninsula.
Sumatra.
Borneo.

Family CAMPEGHAGIDÆ.

Genus **CORACINA** Vieillot.

Coracina javensis (Horsf.).

Javan Cuckoo-Shrike.

Coracina javensis javensis (Horsf.).

Cebblepyris Javensis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 145: Java.

Distr.—Java; Bali.

Coracina javensis larutensis (Sharpe).

Artamides larutensis Sharpe, Proc. Zool. Soc. 1887, p. 435: Larut Hills, Perak.

Distr.—Malay States.

Coracina sumatrensis (S. Müll.).¹

Large Barred Cuckoo-Shrike.

Coracina sumatrensis sumatrensis (S. Müll.).

Cebblepyris sumatrensis S. Müller, Verh. Nat. Gesch., Land en Volk. 1843, p. 190: West Sumatra.

Graucalus concretus Hartl., Journ. f. Orn. 1864, p. 445: Borneo.

Artamides sumatrensis messeris Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 517: Trang, Peninsular Siam.

Artamides sumatrensis nesiarchus Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 517: Parit Island, near Karimon Island, Rhio Archipelago.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

Borneo; North Bornean Islands.

¹ Revision: Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 103.

Coracina sumatrensis bungurensis (Hart.).¹

Graucalus bungurensis Hartert, Nov. Zool. i, 1894, p. 477 :
Bunguran Island, North Natuna Islands.

Artamides sumatrensis calopolius Oberh., Bull. U.S. Nat. Mus. 98, 1917,
p. 34 : Mata Island, Anamba Islands.

Distr.—Anamba Islands.
Natuna Islands.

Coracina sumatrensis vordermani (Hart.).

Graucalus vordermani Hartert, Bull. Brit. Orn. Cl. xii, 1901, p. 32 :
Kangean Island.

Distr.—Kangean Islands.

Coracina sumatrensis simalurensis (Richm.).

Graucalus simalurensis Richmond, Proc. U.S. Nat. Mus. xxvi, 1903,
p. 513 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Coracina sumatrensis babiensis** (Richm.).

Graucalus babiensis Richmond, Proc. U.S. Nat. Mus. xxvi, 1903,
p. 513 : Babi Island, West Sumatra.

Distr.—Babi Island, West Sumatra.

Coracina sumatrensis kannegieteri (Bütt.).

Artamides Kannegieteri Büttikofer, Notes Leyd. Mus. xviii, 1897,
p. 175 : Nias Island.

Distr.—Nias Island, West Sumatra.

Coracina sumatrensis crissalis (Salvad.).

Graucalus crissalis Salvadori, Ann. Mus. Civ. Gen. (2), xiv, 1894,
p. 592 : Sipora Island.

Artamides sumatrensis halistephis Oberh., Smiths. Misc. Coll. lx, No. 7,
1912, p. 14 : South Pagi Island.

Distr.—Siberut, Sipora and Pagi Islands, West Sumatra.

Coracina sumatrensis enganensis (Salvad.).

Graucalus enganensis Salvadori, Ann. Mus. Civ. Gen. (2) xii, 1892,
p. 142 : Engano Island.

Distr.—Engano Island, West Sumatra.

¹ Individual birds from Tioman Island, east coast Malay Peninsula, and some of the Rhio Islands are also large and can be known as *sumatrensis* > *bungurensis* (= *nesiarchus* Oberh.).

Coracina personata (S. Müll.). Timor Cuckoo-Shrike.

[**Coracina personata personata** (Müll.).

Ceblepyris larvata S. Müller, Verh. Nat. Gesch. Land en Volk.
1843, p. 190 : Timor.

Distr.—Extra-limital.]

Coracina personata larvata (S. Müll.).

Ceblepyris larvata S. Müller, Verh. Nat. Gesch. Land en Volk.
1843, p. 190 : Java.

Distr.—Java.

Coracina personata normani (Sharpe).

Graucalus normani Sharpe, Ibis, 1887, p. 438 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Coracina personata melanocephala (Salvad.).

Graucalus melanocephalus Salvadori, Ann. Mus. Civ. Gen. (2) xiv,
1879, p. 206 : Padang Highlands, Sumatra.

Distr.—Sumatra.

Genus **CHLAMYDOCHERA** Sharpe

Chlamydochera jefferyi Sharpe. Whitehead's Cuckoo-Shrike.

Chlamydochera jefferyi Sharpe, Ibis, 1887, p. 439, pl. 13 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Genus **LALAGE** Boie.

Lalage melanoptera (Rüpp.). Large Grey Cuckoo-Shrike.

Ceblepyris melanoptera Rüppell, Mus. Senckenb. iii, 1839, p. 25,
pl. 2, fig. 1 : New Holland, error=Burma.

Distr.—Peninsular Siam.

Lalage fimbriata (Temm.).¹ Small Grey Cuckoo-Shrike.

Lalage fimbriata fimbriata (Temm.).

Ceblephyrus fimbriatus Temminck, Pl. Col. 249, 250, 1824 : Java.

Volvocivora vidua Hartl., Journ. f. Orn. 1865, p. 163 : Java.

Distr.—Java; Bali.

¹ Cf. Kloss, Journ. F.M.S. Mus. x, 1921, p. 219.

Lalage fimbriata culminata (A. Hay).

Ceblepyris Culminatus A. Hay, Madras Journ. xiii, 1845, pt. 2, p. 157: Malacca.

*Drymonax niger*¹ Less., Rev. Mag. Zool. 1839, p. 167: Sumatra.

Volvocivora schierbrandii Pelz., Reis. Novara, Vög. 1865, p. 80, pl. 2, fig. 1: Borneo.

Campephaga borneensis Salvad., Atti. R. Acc. Sci. Torino, iii, 1868, p. 532: Borneo.

Campephaga minor Davison, Ibis, 1892, p. 99: Pahang.

Distr.—Malay Peninsula (north to South Peninsular Siam).

Sumatra; Siberut Island, West Sumatra.

Borneo.

Lalage fimbriata neglecta (Hume).

Volvocivora neglecta Hume, Stray Feathers, v, 1877, p. 203: South Tenasserim.

Distr.—Peninsular Siam.

Lalage fimbriata compta Richmond.

Campephaga compta Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 514: Simalur Island.

Distr.—Simalur Island, West Sumatra.

Lalage nigra (Forst.).²

Pied Cuckoo-Shrike.

Lalage nigra nigra (Forst.).

Turdus niger Forster, Ind. Zool. 1781, p. 41: Singapore Island (Bangs, 1922).

Turdus terat Bodd., Tabl. Pl. Enlum. 1783, p. 17: Singapore (Kloss, 1926).

Turdus orientalis Gmel., Syst. Nat. i, 1788, p. 821: Singapore (Kloss, 1926).

Ceblephyris striga Horsf., Trans. Linn. Soc. xiii, 1821, p. 145: West Java.

Pycnonotus humeraloides Less., Echo du Monde Savant, 1844, p. 233: West Java.

Lalage nigra brunescens Stuart Baker, Bull. Brit. Orn. Cl. xlv, 1923, p. 13: Selangor, Malay States.

Distr.—Malay Peninsula.

Sumatra.

Java (not east); Karimon-Java Islands.

Lalage nigra sueurii (Vieill.).

Turdus Suerii Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xii, 1818, p. 270: Timor.

Distr.—Java (east); Bali.

¹ "Corpora" is almost certainly an error: otherwise the description is meaningless. In it the first phrase seems to refer to the head.

² Cf. Kloss, Journ. Mal. Br. Roy. Asiat. Soc. iv, 1926, p. 158.

***Lalage nigra chalepa** (Oberh.).

Perissolalage chalepa Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 182: Solombo Besar Island.

Distr.—Solombo Besar Island, East Java Sea.

Lalage nigra schisticeps Neum.¹

Lalage nigra schisticeps Neumann, Journ. f. Ornith. lxxvii, 1919, p. 333: Culion Island, Philippine Islands.

Distr.—Borneo; North Bornean Islands; Maratua Islands.

***Lalage nigra empheris** Oberh.

Lalage nigra empheris Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 15: Nias Island.

Distr.—Nias Island, West Sumatra.

Genus **PERICROCOTUS** Boie.²**Pericrocotus flammeus** (Forst.).

Scarlet Minivet.

[**Pericrocotus flammeus flammeus** (Forst.).

Muscicapa flammea Forster in Pennant's Ind. Zool. 1781, p. 25: Travancore.

Distr.—Extra-limital.]

Pericrocotus flammeus flammifer Hume.

Pericrocotus flammifer Hume, Stray Feathers, iii, 1875, p. 321: Pakchan, South Tenasserim.

Distr.—Malay Peninsula.

Pericrocotus flammeus xanthogaster (Raffles).

Lanius xanthogaster Raffles, Trans. Linn. Soc. xiii, 1822, p. 309: Bencoolen, West Sumatra.

Phaenicornis ardens Bp., Consp. Gen. Avium, i, 1850, p. 357: Sumatra.

Pericrocotus subardens Hume, Stray Feathers, v, 1877, p. 196: Sumatra.

Distr.—Malay States.³

Sumatra; Banka; Billiton.

Borneo.

***Pericrocotus flammeus modiglianii** Salvad.

Pericrocotus modiglianii Salvadori, Ann. Mus. Civ. Gen. (2) xii, 1892, p. 130: Engano Island.

Distr.—Engano Island, West Sumatra.

¹ The type of *schisticeps* is an artifact (Stres., Orn. Monatsber. xxx, 1922, p. 88).

² Revisions: Rob., Journ. F.M.S. Mus. vi, 1915, p. 31: Stres., Mitt. Zool. Mus. xv, 1930, p. 635.

³ In the Malay Peninsula, broadly speaking, *xanthogaster* occurs mainly in the south: it spreads northwards in the lowlands and *flammifer* has extended its range into the Malay States along the mountain ranges.

CAMPEGHAGIDÆ.

**Pericrocotus flammeus minythomelas* Oberh.

Pericrocotus andamanensis minythomelas Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 14: Simalur Island.

Distr.—Simalur Island, West Sumatra.

Pericrocotus flammeus siebersi Rensch.¹

Pericrocotus speciosus siebersi Rensch, Orn. Monatsber. xxxvi, 1928, p. 47: Mt. Gede, West Java.

Distr.—Java; Bali.

Pericrocotus montanus Salvad.

Wray's Minivet.

Pericrocotus montanus montanus Salvad.

Pericrocotus montanus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 205: Mountains of West Sumatra.

Pericrocotus wrayi Sharpe, Proc. Zool. Soc. 1888, p. 269, pl. 15: South Perak.

Pericrocotus croceus Sharpe, Proc. Zool. Soc. 1888, p. 269: South Perak.

Distr.—Malay States.

Sumatra.

Pericrocotus montanus cinereigula Sharpe.

Pericrocotus cinereigula Sharpe, Ibis, 1889, p. 192: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Pericrocotus igneus Blyth.

Fiery Minivet.

Pericrocotus igneus igneus Blyth.

Pericrocotus igneus Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 309: Malacca.

Pericrocotus minutus Strickland in Jardine's Contr. Orn. 1849, p. 94, pl. 32: Borneo.

Pericrocotus brevirostris minor "Verr." Strickland in Jardine's Contr. Orn. 1849, p. 94: Borneo.

Pericrocotus flagrans Bp., Consp. Gen. Avium, i, 1850, p. 357: Sumatra.

Distr.—Malay Peninsula.

Sumatra; Billiton; Nias Island, West Sumatra.

Borneo.

**Pericrocotus igneus trophis* Oberh.

Pericrocotus igneus trophis Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 14: Simalur Island.

Distr.—Simalur Island, West Sumatra.

¹ Birds from East Java and Bali are not exactly like topotypical *siebersi*, but are approaching *exsul* Wallace (Lombok).

Pericrocotus cinnamomeus (Linn.).¹ Small Minivet

[**Pericrocotus cinnamomeus cinnamomeus** (Linn.).

Motacilla cinnamomea Linn., Syst. Nat. 12th. ed. i, 1766, p. 335 : Ceylon.

Distr.—Extra-limital.]

Pericrocotus cinnamomeus vividus Baker.

Pericrocotus peregrinus vividus Stuart Baker, Bull. Brit. Orn. Cl. xl, 1920, p. 114 : Attaran River, Tenasserim.

Distr.—Peninsular Siam.

Pericrocotus cinnamomeus saturatus Baker.

Pericrocotus peregrinus saturatus Baker, Bull. Brit. Orn. Cl. xl, 1920, p. 115 : West Java.

Distr.—Sumatra.²

Borneo.

Java; Bali.

Pericrocotus roseus (Vieill.).

Pericrocotus roseus (Vieill.).

Rosy Minivet.

Muscicapa rosea Vieillot, Nov. Dict. d'Hist. Nat., ed. 2, xxi, 1818, p. 486 : Bengal.

Distr.—Peninsular Siam.

Pericrocotus roseus cantonensis Swinh.

Swinhoe's Minivet.

Pericrocotus cantonensis Swinhoe, Ibis, 1861, p. 42 : Canton, South China.

Distr.—Peninsular Siam.

Pericrocotus roseus divaricatus (Raffles).

Ashy Minivet.

Lanius divaricatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 306 : Sumatra.

Pericrocotus modestus Strickland, Proc. Zool. Soc. for 1846, 1847, p. 102 : Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Pericrocotus miniatus (Temm.).

Sunda Minivet.

Pericrocotus miniatus miniatus (Temm.).

Muscicapa miniata Temminck, Pl. Col. 156, 1822 : West Java.

Distr.—Sumatra.

Java.

¹ Revision : Snouck. v. Schaub., Treubia, xi, 1930, p. 309. See also Whistler, Journ. Bomb. Nat. Hist. Soc. xxxvi, 1933, p. 342.

² The localities Borneo and Sumatra need confirmation.

Family PYCNONOTIDÆ.¹

Genus **ÆGITHINA** Vieillot.

Ægithina viridissima (Bp.). Green Iora.

Ægithina viridissima viridissima (Bp.).

Iora viridissima Bonaparte, Consp. Gen. Avium, i, 1850, p. 397 :
Sumatra.

Iora chloroptera Salvad., Ann. Mus. Civ. Gen. 1874, p. 192 : Sarawak.

Distr.—Malay Peninsula; Tioman Island.

Sumatra; Rhio and Lingga Archipelagos; Banka; Billiton.
Borneo; North Natuna Islands.

Ægithina viridissima thapsina Oberh.

Aegithina viridissima thapsina Oberholser, Bull. U.S. Nat. Mus.
98, 1917, p. 40 : Siantan Island, Anamba Islands.

Distr.—Anamba Islands.

Ægithina viridissima nesiotica Oberh.

Aegithina viridissima nesiotica Oberholser, Smith. Misc. Coll. 1x,
No. 7, 1912, p. 10 : Tana Bala Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Ægithina tiphia (Linn.).

Common Iora.

[**Ægithina tiphia tiphia** (Linn.).

Motacilla tiphia Linn., Syst. Nat. 10th. ed., 1858, p. 186 : Bengal.

Distr.—Extra-limital.]

Ægithina tiphia micromelaena Oberh.

Aegithina tiphia micromelaena Oberholser, Smiths. Misc. Coll.
lxxvi, No. 6, 1923, p. 7 : Banka Island.

Distr.—Peninsular Siam; Malay States (north).
Sumatra; Banka Island.

Ægithina tiphia singaporensis Chas. and Kloss.

Aegithina tiphia singaporensis Chasen and Kloss, Bull. Raff. Mus.
5, 1931, p. 85 : Singapore Island.

Distr.—Malay States (south).

¹ There seems little point in removing from this family such genera as *Irena*, *Chloropsis*, etc. and creating special families for their reception until this and allied groups have received attention at the hands of a qualified anatomist.

Revisions: Snouck. v. Schaub., Org. Cl. Ned. Vog. vi, 1934, p. 140 and vii, 1935, p. 103.

Ægithina tiphia viridis (Bp.).

Iora viridis Bonaparte, Consp. Gen. Avium, i, 1850, p. 397 : North Borneo.

Distr.—Borneo (northern half); North Bornean Islands.

Ægithina tiphia damicra Oberh.

Ægithina tiphia damicra Oberholser, Smiths. Misc. Coll. lxxvi, No. 6, 1923, p. 7 : Smitau, Kapuas River, South-west Borneo.

Ægithina tiphia sophonota Oberholser, Smiths. Misc. Coll. lxxvi, No. 6, 1923, p. 8 : Taham, Central East Borneo.

Distr.—Borneo (southern half); Maratua Islands, East Borneo.

Ægithina tiphia scapularis (Horsf.).

Iora scapularis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 152 : Java.

Distr.—Java; Bali.

***Ægithina tiphia horizopectera** Oberh.

Ægithina tiphia horizopectera Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 9 : Nias Island, West Sumatra.

Distr.—Nias Island, West Sumatra.

Genus **ÆTHORHYNCHUS** Sundevall.

Æthorhynchus lafresnayei (Hartl.).

Great Iora.

Æthorhynchus lafresnayei lafresnayei (Hartl.).

Iora Lafresnayei Hartlaub, Rev. Mag. Zool. 1844, p. 401 : Malacca.

Phœnicomanos iora Sharpe, Proc. Zool. Soc. 1874, p. 427, pl. 54 : Jamaica, error=Malacca.

Distr.—Malay Peninsula.¹

Genus **CHLOROPSIS** Jardine and Selby.

Chloropsis hardwickii Jardine and Selby. Orange-bellied Leaf-Bird.

[*Chloropsis hardwickii hardwickii* Jard. and Selby.

Chloropsis hardwickii Jardine and Selby, Ill. Orn., sign. C. 3, 1830 : Nepal.

Distr.—Extra-limital.]

Chloropsis hardwickii malayana Rob. and Kloss.

Chloropsis hardwickii malayana Robinson and Kloss, Journ. Fed. Mal. States Mus. xi, 1923, p. 55 : Mt. Ijau, Perak.

Distr.—Malay States.

Chloropsis venusta (Bp.).

Sumatran Leaf-Bird.

Phyllornis venusta Bonaparte, Consp. Gen. Avium, i, 1850, p. 396 : Sumatra.

Distr.—Sumatra.

¹ Birds from Peninsular Siam are really *A. lafresnayei* > *innotata* Blyth.

Chloropsis sonnerati Jard. and Selby. Malachite-shouldered Leaf-Bird.

Chloropsis sonnerati sonnerati Jard. and Selby.

Chloropsis sonnerati Jardine and Selby, Illus. Orn. 1826, sign. B. 4 : Java.

Turdus viridis Horsf., Trans. Linn. Soc. xiii, 1821, p. 148 : Java (not *T. viridis* P.L.S. Müll. 1776).

Phyllornis mullerii Temm., Pl. Col., 1829, livr. 81 : Java.

Distr.—Java.

Chloropsis sonnerati zosterops Vig.

Chloropsis zosterops Vigors, Mem. Life Raffles, 1830, p. 674 : Sumatra.

Chloropsis viridis viriditectus Hart., Nov. Zool. ix, 1902, p. 212, Baram, Sarawak.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Billiton.

Borneo; North Natuna Islands.

Chloropsis sonnerati parvirostris Hart.

Chloropsis zosterops parvirostris Hartert, Orn. Monatsber. 1898, p. 93 : Nias Island.

Distr.—Nias Island, West Sumatra.

Chloropsis cochinchinensis (Gmel.).¹

Green Leaf-Bird.

Chloropsis cochinchinensis cochinchinensis (Gm.).

Turdus cochinchinensis Gmelin, Syst. Nat. i, 1788, p. 825 : Cochin China.

Distr.—Peninsular Siam.

Chloropsis cochinchinensis icterocephala Less.

Chloropsis icterocephala Lesson, Rev. Mag. Zool. 1840, p. 164 : Palembang, Sumatra.

Phyllornis moluccensis J. E. Gray, Zool. Misc. 1832, p. 33 : Malacca (Strickl. 1840).

Distr.—Malay States.

Sumatra; Rhio and Lingga Archipelagos; Banka; Billiton.

North Natuna Islands.

Chloropsis cochinchinensis viridinucha (Sharpe).

Phyllornis viridinucha Sharpe, Ibis, 1877, p. 15 : Sarawak, Borneo.

Distr.—Borneo.

Chloropsis cochinchinensis nigricollis (Vieill.).

Philemon nigricollis Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xxvii, 1818, p. 432 : Java.

Meliphaga javensis Horsf., Trans. Linn. Soc. xiii, 1821, p. 152 : Java.

Distr.—Java.

¹ Cf. Kloss, Journ. Mal. Br. Roy. Asiat. Soc. iv, 1926, p. 162.

Chloropsis cochinchinensis flavocincta Sharpe.

Chloropsis flavocincta Sharpe, Ibis, 1887, p. 445: Mt. Kinabalu, North Borneo.

Chloropsis kinabaluensis Sharpe, Ibis, 1887, p. 445: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Chloropsis cyanopogon (Temm.). Blue-whiskered Leaf-Bird.

Chloropsis cyanopogon cyanopogon (Temm.).

Phyllornis cyanopogon Temminck, Pl. Col. 512, 1832: Palembang, Sumatra.

Chloropsis mysticalis Swains., Anim. in Menag. 1838, p. 296: India, error=Malacca.

Distr.—Malay States.

Sumatra.

Borneo; Banguay Island, North Borneo.

Chloropsis cyanopogon septentrionalis Rob. and Kloss.

Chloropsis cyanopogon septentrionalis Robinson and Kloss, Journ. Nat. Hist. Soc. Siam, iii, 1918, p. 107: Ghirbi, Peninsular Siam.

Distr.—Peninsular Siam.

Chloropsis aurifrons (Temm.). Gold-fronted Leaf-Bird.

[Chloropsis aurifrons aurifrons (Temm.).

Phyllornis aurifrons Temminck, Pl. Col. 484, 1829: Sumatra error=Cachar (Baker).

Distr.—Extra-limital.]

Chloropsis aurifrons media (Bp.).

Phyllornis media Bonaparte, Consp. Gen. Avium, i, 1850, p. 396: Sumatra.

Distr.—Sumatra.

Genus **IRENA** Horsfield.¹

Irena puella (Lath.). Fairy Bluebird.

Irena puella puella (Lath.).

Coracias Puella Latham, Index Orn. i, 1790, p. 171: Travancore, India.

Distr.—Peninsular Siam.

Irena puella malayensis Horsf. and Moore.

Irena malayensis Horsfield and Moore, Cat. Bds. Mus. East Ind. Coy. i, 1854, p. 274: Malacca.

Muscicapa cyanea Begbie, (not *M. cyanea* Müll., 1776), Malayan Peninsula, 1834, p. 517: Malay Peninsula.

Distr.—Malay States.

¹ Cf. Oberh., Wash. Acad. Sci. vii, 1917, p. 537.

Irena puella criniger Sharpe.

Irena criniger Sharpe, Cat. Bds. Brit. Mus. iii, 1877, p. 267 : Borneo.

Glaucynympha cyanea megacyanea Oberholser, Journ. Wash. Acad. Sci. vii, 1917, p. 540 : Tuanku Island, Banjak Islands, West Sumatra.

Distr.—Sumatra; Mendanau Island; West Sumatra Islands of Banjak, Nias, Batu, Siberut, Sipora and Pagi.
Borneo.

Irena puella turcosa Walden.

Irena turcosa Walden, Ann. Mag. Nat. Hist. (4) v, 1870, p. 417 : Java.

Distr.—Java.¹

Genus **IXOS** Temminck.

Ixos cinereus (Blyth).

Ashy Bulbul.

Ixos cinereus cinereus (Blyth).

Iole cinerea Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 573 : Malacca.

Trichophorus pulverulentus Bp., Consp. Gen. Avium, i, 1850, p. 262 : Sumatra.

Iole terricolor Hume, Stray Feathers, vii, 1878, p. 141 : Malacca.

Distr.—Malay Peninsula.
Sumatra.

Ixos cinereus connectens (Sharpe).

Hemixus connectens Sharpe, Ibis, 1887, p. 446 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Ixos virescens Temm.

Java Streaked Bulbul.

Ixos virescens virescens Temm.

Ixos virescens Temminck, Pl. Col. 382, 1825 : Java.

Distr.—Java.

Ixos virescens sumatranus (Wardl.-Rams.).

Hemixus sumatranus Wardlow-Ramsay, Ann. Mag. Nat. Hist. (5), x, 1882, p. 431 : Sumatra.

Trichophorus striolatus Bp., Consp. Gen. Avium, i, 1850, p. 262 : Sumatra.

Distr.—Sumatra.

Ixos malaccensis (Blyth).

Streaked Bulbul.

Hypsipetes malaccensis Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 574 : Malacca.

Distr.—Malay Peninsula.
Sumatra; Lingga Island.
Borneo.

¹ Not yet recorded from East Java.

***Ixos maclellandii* (Horsf.).** McClelland's Bulbul.

[***Ixos maclellandii maclellandii* (Horsf.).**

Hypsipetes McClellandii Horsfield, Proc. Zool. Soc. for 1839, 1840, p. 159: Assam.

Distr.—Extra-limital.]

***Ixos maclellandii peracensis* (Hart. and Butl.).**

Iole tickelli peracensis Hartert and Butler, Nov. Zool. v, 1898, p. 506: Mt. Ijau, Perak.

Distr.—Malay Peninsula.

Genus **IOLE** Blyth.

***Iole olivacea* Blyth¹.** Crested Olive Bulbul.

***Iole olivacea olivacea* Blyth.**

Iole olivacea Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 386: Singapore Island.

Trichophorus brunescens Finsch, Journ. f. Orn., 1867, p. 19: Sumatra (nom. nud.).

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka; Billiton.
North Natuna Islands.

***Iole olivacea cinnamomeoventris* Baker.**

Iole virescens cinnamomeoventris Stuart Baker, Bull. Brit. Orn. Cl xxxviii, 1917, p. 16: Tenasserim.

Distr.—Peninsular Siam.²

****Iole olivacea crypta* Oberh.³**

Iole olivacea crypta Oberholser, Proc. Biol. Soc. Wash. xxxi, 1918, p. 197: Jimaja Island, Anamba Islands.

Distr.—Anamba Islands.

***Iole olivacea charlottæ* (Finsch).**

Criniger Charlottæ Finsch, Journ. f. Ornith. xv, 1867, p. 19: Borneo.

Distr.—Borneo; Banguey Island, North Borneo.

¹ We do not accept the lumping of *Ixocincla* and *Iole* and resulting invalidation of *Iole olivacea* Blyth.

² Trang forms the meeting place of this race and *I. o. olivacea*: both forms occur in the district.

³ We have never seen exact topotypes of this race and in series it may prove to be rather larger than typical *olivacea* as most Anamba forms vary in the direction of large size. We cannot however admit *crypta* for Sumatra from which island we have seen large series.

Genus **EUPTILOSUS** Gray.

Euptilosus eutilotus (Jard. and Selb.). Crested Brown Bulbul.

Brachypus eutilotus Jardine and Selby, Ill. Orn. (new ser.) 1836, pl. 3 : Singapore Island.

Brachypodius tristis Blyth, Journ. Asiat. Soc. Beng. xiv, 1845, p. 576 : Penang.

Brachypus tympanistrigus Bp., (not Müll.), Consp. Gen. Avium, i, 1850, p. 264 : Sumatra.

Microtarsus cantori Horsf. and Moore, Cat. Bds. Mus. East Ind. Coy. i, 1854, p. 409 : Malacca.

Trichophorus susanni Bp., Notes Coll. Delattre, in Comptes Rendus, 1854, p. 59 : Borneo.

Distr.—Malay Peninsula.
Sumatra; Banka.
Borneo.

Euptilosus urostictus (Salvad.). Wattled Bulbul.

[**Euptilosus urostictus urostictus** (Salvad.).

Brachypus urostictus Salvadori, Atti R. Accad. Sc. Torino, v, 1870, p. 509 : Philippine Islands.

Distr.—Extra-limital.]

Euptilosus urostictus nieuwenhuisii (Finsch).

Poliolophus Nieuwenhuisii Finsch, Notes Leyd. Mus. xxiii, 1902, p. 95 : Upper Kajan River, Bulongan, Central Borneo.

Distr.—Borneo.

Genus **BRACHYPODIUS** Blyth.

Brachypodius atriceps (Temm.).¹ Black-headed Bulbul.

Brachypodius atriceps atriceps (Temm.).

Turdus atriceps Temminck, Pl. Col. 147, 1823 : Java.

*Lanius melanocephalus*² Gmel., Syst. Nat. i, 1788, p. 309 : Sumatra.

Ixos chalcoccephalus Temm., Pl. Col. 453, fig. i, 1828 : Java.

Ixos metallicus Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 228 : Malacca.

Brachypodius immaculatus Sharpe, Ibis, 1876, p. 39 : Sumatra.

Brachypodius atriceps chrysophorus Oberh., Smiths. Misc. Coll. 1x, No. 7, 1912, p. 10 : South Pagi Island, West Sumatra.

Distr.—Malay Peninsula.

Sumatra; Banka; Billiton; West Sumatran Islands of Nias and Mentawi group.
Borneo.
Java; Bali.

¹ In the north of Peninsular Siam this species is more properly represented by *B. a.* > *cinereoventris* Blyth (Tipperah) of which *major* Rob. and Kloss (North Cachar) seems to be a synonym.

² Not *L. melanocephalus* id., ib. p. 301.

***Brachypodius atriceps baweanus** (Finsch).¹

Brachypodius baweanus Finsch, Notes Leyd. Mus. xxii, 1901, p. 209: Bawean Island.

Microtarsus melanocephalos abbotti Oberh., Proc. U.S. Nat. Mus. lli, 1917, p. 193: Bawean Island.

Distr.—Bawean Island.

***Brachypodius atriceps hyperemnus** (Oberh.).

Microtarsus melanocephalos hyperemnus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 10: Simalur Island.

Distr.—Simalur Island, West Sumatra.

Brachypodius atriceps hodiernus Bangs and Peters.

Microtarsus hodiernus Bangs and Peters, Occ. Papers Boston Soc. Nat. Hist. v, 1927, p. 238: Maratua Island.

Distr.—Maratua Islands, East Borneo.

Genus **MICROTARSUS** Eyton.

Microtarsus melanoleucos Eyton.

Black-and-White Bulbul.

Microtarsus melanoleucos Eyton, Proc. Zool. Soc. 1839, p. 102: Malacca.

Brachypus vidua Bp., Consp. Gen. Avium, 1850, i, p. 264: Borneo.

*Microtarsus melanoleucos proximus*² Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 96: Siberut Island, West Sumatra.

Distr.—Malay States.

Sumatra; Siberut Island, West Sumatra.

Borneo.

Genus **CRINIGER** Temminck.³

Criniger gutturalis (Bp.).

Crested Bulbul.

Criniger gutturalis ochraceus Horsf. and Moore.

Criniger ochraceus Horsfield and Moore, Cat. Bds. Mus. East Ind. Coy. i, 1854, p. 252: Tenasserim.

Criniger sordidus Richmond, Proc. U.S. Nat. Mus. xxii, 1900, p. 320: Trang, Peninsular Siam.

Distr.—Peninsular Siam; Malay States (extreme north).

¹ We regard the grey forms of *Brachypodius* as common mutations, but it is curious that they are unknown in some areas occupied by the species.

² There is no difference in colour between many fresh skins of *melanoleucos* and "*proximus*".

³ The Malaysian subspecies of *Criniger* are very difficult to combine into species and the present attempt is, frankly, little more than suggestive. A significant feature is that only in the Malay Peninsula does one meet with two forms in any one place and that even here they are largely mutually exclusive. *C. tephrogenys* is common in the lowlands throughout the whole length of the Peninsula. *C. sacculatus* only occurs in the south of the Peninsula at high elevations. *C. ochraceus* occurs only in the north, but it overlaps the range of *tephrogenys*. Were it not for this it would be possible to regard all Malaysian forms as representatives of one widely-spread species.

***Criniger gutturalis sacculatus* Rob.**

Criniger ochraceus sacculatus Robinson, Ibis, 1915, p. 746: Ginting Bidei, Selangor.

Distr.—Malay States.

***Criniger gutturalis sumatranus* Wardl.-Rams.**

Criniger sumatranus Wardlaw-Ramsay, Ann. Mag. Nat. Hist. (5) x, 1882, p. 431: Sumatra.

Distr.—Sumatra (mountains).

***Criniger gutturalis gutturalis* (Bp.).**

Trichophorus gutturalis Bonaparte, Consp. Gen. Avium, i, 1850, p. 266: Borneo.

Distr.—Borneo (lowlands).

***Criniger gutturalis ruficrissus* Sharpe.**

Criniger ruficrissus Sharpe, Proc. Zool. Soc. 1879, p. 248: Mt. Kinabalu, North Borneo.

Distr.—Borneo (mountains).

***Criniger tephrogenys* (Jard. and Selb.).**

Scrub Bulbul.

***Criniger tephrogenys tephrogenys* (Jard. and Selb.).**

Trichophorus tephrogenys Jardine and Selby, Ill. Orn. iii, 1833, pl. 127: Malacca.

Distr.—Malay Peninsula.
Sumatra (lowlands).

***Criniger tephrogenys bartelsi* Coll. and Hart.**

Criniger balicus bartelsi Collin and Hartert, Nov. Zool. xxxiv, 1927, p. 51: nom. nov. for *Turdus gularis* Horsf. (not Lath. 1801): West Java.

Turdus gularis Horsf., Trans. Linn. Soc. xiii, 1822, p. 150: Java.

Distr.—Java (not east).

***Criniger tephrogenys balicus* Stres.**

Criniger gularis balicus Stresemann, Nov. Zool. xx, 1913, p. 358: Bali.

Distr.—Java (east); Bali.

***Criniger finschii* Salvad.¹**

Finsch's Bulbul.

Criniger finschii Salvadori, Atti R. Accad. Torini, vi, 1871, p. 128: Borneo.

Criniger theiodes Hume, Stray Feathers, iv, 1876, p. 214: Jokore, Malay Peninsula.

Distr.—Malay States.
Sumatra.
Borneo.

¹ This is not a common bird and we have never seen a good series of topotypes.

Genus **ALOPHOIXUS** Oates.

Alophoixus phaeocephalus (Hartl.). White-throated Bulbul.

Alophoixus phaeocephalus phaeocephalus (Hartl.).

Ixos phaeocephalus Hartlaub, Rev. Mag. Zool. 1844, p. 401 :
Malacca.

Trichophorus caniceps Lafr., Rev. Mag. Zool. 1845, p. 367 : "de l'Inde"
= Malacca.

Pycnonotus rufocaudatus Eyton, Ann. Nat. Hist. xvi, 1845, p. 228 :
= Malacca.

Trichophorus sulphuratus Bp., Consp. Gen. Avium, 1850, p. 262 :
Borneo error = Sumatra.

Criniger cantori Moore, Proc. Zool. Soc. 1854, p. 279 = Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Billiton.

North Natuna Islands.

Alophoixus phaeocephalus diardi (Finsch).

Criniger diardi Finsch, Journ. f. Orn. 1867, p. 18 : Pontianak,
South-west Borneo.

Distr.—Borneo (part).¹

Alophoixus phaeocephalus connectens Chas. and Kloss.

Alophoixus phaeocephalus connectens Chasen and Kloss, Journ. f.
Orn. 1929, Bd. 2, p. 144 : Sandakan, North Borneo.

Distr.—Borneo (part).

Alophoixus phaeocephalus medius Kloss.

Alophoixus phaeocephalus medius Kloss, Treubia, xii, 1930, p. 412 :
Long Petah, Telen River, East Borneo.

Distr.—Borneo (part).

Genus **SETORNIS** Lesson.

Setornis criniger Less.

Van Bemmelen's Bulbul.

Setornis criniger Lesson, Rev. Mag. Zool. 1839, p. 167 : Sumatra
error = Borneo.

Trichophoropsis typus Bp., Compt. Rend. xxxviii, 1854, p. 59 : Borneo.

Criniger bemmeleni Finsch, Journ. f. Orn. 1867, p. 29 : Borneo.

Distr.—Banka Island.

Borneo.

¹ The ranges of the Bornean races of *A. phaeocephalus* are rather complicated : See Kloss, Treubia, xii, 1930, p. 413.

Genus **TRICHOLESTES** Salvadori.

Tricholestes criniger (Blyth). Hairy-backed Bulbul.

Tricholestes criniger criniger (Blyth).

Brachypodius ? criniger "Hay", Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 577: Malacca.

Trichophorus minutus Hartl., Journ. f. Orn. 1853, p. 156: Malacca.

Distr.—Malay Peninsula; Tioman Island.

North Natuna Islands.

Tricholestes criniger sericea Rob. and Kloss.

Tricholestes criniger sericea Robinson and Kloss, Journ. Fed. Mal. States Mus., xi, 1924, p. 288: West Sumatra.

Distr.—Sumatra; Mansalar Island, West Sumatra.

Tricholestes criniger viridis (Bp.).

Trichophoropsis viridis Bonaparte, Compt. Rend. 1854, p. 59: Borneo.

Distr.—Borneo.

Genus **ALCURUS** Blyth.

Alcurus leucogrammicus (S. Müll.). Striated Green Bulbul.

Alcurus leucogrammicus leucogrammicus (S. Müll.).

Pycnonotus leucogrammicus Sal. Müller, Tijds. Nat. Gesch. Phys. 1835, p. 352: Sumatra.

Distr.—Sumatra.

Genus **TRACHYCOMUS** Cabanis.

Trachycomus zeylanicus (Gm.). Yellow-crowned Bulbul.

Sturnus zeylanicus Gmelin, Syst. Nat. i, pt. 2, 1789, p. 804: Ceylon error = Java (Rob. and Kloss, 1924).

Turdus ochrocephalus Gmel., Syst. Nat. i, pt. 2, 1789, p. 821: Ceylon error = Java.

Trichophorus crispiceps Blyth, Journ. Asiat. Soc. Beng. xi, 1842, p. 204: Malacca.

Distr.—Malay Peninsula.

Sumatra; Nias Island; West Sumatra.

Borneo.

Java.

¹ *Criniger sericea* Müll. in Blyth, Ibis, 1865, p. 48 is *nom. nud.* and although the name was later treated as a synonym of *T. criniger* I consider that a subsequent description is valid.

Genus **PYCNONOTUS** Boie.

Pycnonotus bimaculatus (Horsf.). Orange-spotted Bulbul.

Pycnonotus bimaculatus bimaculatus (Horsf.).

Turdus bimaculatus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 147 : East Java.

Crocopsis bimaculatus tenggerensis van Oort, Notes Leyden Mus. xxxiv, 1918, p. 19 : Mt. Tengger, East Java.

Distr.—Java (east); Bali.

Pycnonotus bimaculatus barat Rob. and Kloss.

Pycnonotus bimaculatus barat Robinson and Kloss, Journ. Straits Branch Roy. Asiat. Soc. lxxxix, 1920, p. 103 : Korinchi, West Sumatra.

Distr.—Java (west).
Sumatra (part).

Pycnonotus bimaculatus snouckaerti Siebers.

Pycnonotus snouckaerti Siebers, Treubia, x, 1928, p. 395 : Takengon Lake, Acheen, North Sumatra.

Distr.—Sumatra (north).

Pycnonotus finlaysoni Strickl.¹ Stripe-throated Bulbul.

Pycnonotus finlaysoni finlaysoni Strickl.

Pycnonotus Finlaysoni Strickland, Ann. Nat. Hist. xiii, 1844, p. 411 : Malacca (*Hartert*).

Distr.—Malay Peninsula.

Pycnonotus goiavier (Scop.). Yellow-vented Bulbul.

[**Pycnonotus goiavier goiavier** (Scop.).

Muscicapa goiavier Scopoli, Del. Faun. et Flor. Insubr. ii, 1786, p. 96 : Philippine Islands.

Distr.—Extra-limital.]

Pycnonotus goiavier analis (Horsf.).

Turdus analis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 147 : Java.

Distr.—Java; Bali; Karimon-Java Islands.

Pycnonotus goiavier personatus (Hume).

Otocompsa personata Hume, Stray Feathers, i, 1873, p. 457 : Acheen, North Sumatra.

Distr.—Malay Peninsula.
Sumatra; Rhio Archipelago; Banka; Billiton.

¹ Perhaps the continental form of *P. bimaculatus*.

Pycnonotus goiavier gourdinii (Jacq. and Puch.).

Ixos gourdinii Jacquinet and Pucher, Voy. Pôle Sud, texte, Zool. iii, 1853, p. 79: Bandjermasin, South Borneo.

Distr.—Borneo; Maratua Islands, East Borneo.

Pycnonotus leucops (Sharpe).¹ White-faced Mountain-Bulbul.

Oreocisties leucops Sharpe, Ibis, 1888, p. 388, pl. 9, fig. 1: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Pycnonotus blanfordi Jerd. Blanford's Bulbul.

[**Pycnonotus blanfordi blanfordi** Jerdon.

Pycnonotus blanfordi Jerdon, Ibis, 1862, p. 20: Thayetmyo, Burma.

Distr.—Extra-limital.]

Pycnonotus blanfordi robinsoni O.-Grant.

Pycnonotus robinsoni Ogilvie-Grant, Fasc. Malay. iii, 1906, p. 85: Patani, Peninsular Siam.

Distr.—Peninsular Siam.

Pycnonotus plumosus Blyth.² Large Olive Bulbul.

Pycnonotus plumosus plumosus Blyth.

Pycnonotus plumosus Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 567: Singapore.

Distr.—Malay Peninsula.

Sumatra (east); Rhio Archipelago; Banka.

Java; Bawean Island.

Pycnonotus plumosus billitonis Chas.

Pycnonotus plumosus billitonis Chasen, Ornith. Monatsber. 1935, p. 148: Billiton.

Distr.—Billiton Island.

Pycnonotus plumosus porphyreus Oberh.

Pycnonotus plumosus porphyreus Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 11: North Pagi Island, West Sumatra.

Picnonotus inornatus Bp. (not *Ixos inornatus* Fraser, 1843), Consp. Gen. Avium, 1850, p. 263: Sumatra, *restr.* Padang, West Sumatra.

Distr.—Sumatra (west); West Sumatran Islands of Banjak group; Mansalar; Nias; Batu group; Mentawi group;

Pycnonotus plumosus insularis Chas. and Kloss.

Pycnonotus plumosus insularis Chasen and Kloss, Journ. f. Ornith. 1929, Bd. 2, p. 115: Banguey Island, North Borneo.

Distr.—Borneo;³ North Bornean Islands.

¹ Although this bird bears a strong superficial resemblance to *P. analis* we believe that its nearest relative is the continental "*Xanthirus*" *flavescens*.

² Cf. Chas. and Kl., Bull. Raff. Mus. 4, 1930, p. 66.

³ Perhaps not the whole of Borneo: birds from areas other than the north and east may be *P. plumosus* or *plumosus* > *insularis*: on the available material we cannot decide.

***Pycnonotus plumosus chiroplethis* Oberh.**

Pycnonotus plumosus chiroplethis Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 41: Siantan Island, Anamba Islands.

Distr.—Anamba Islands; Tinggi Island, east coast Malay Peninsula.

***Pycnonotus simplex* Less.**

Moore's Olive Bulbul.

***Pycnonotus simplex simplex* Less.¹**

Pycnonotus simplex Lesson, Rev. Mag. Zool. 1839, p. 167: Sumatra.

Microtarsus olivaceus Horsf. and Moore, Cat. Bds. Mus. East Ind. Coy., 1854, p. 249: Malacca.

Pycnonotus olivaceus chloeodis Oberh., Smiths. Misc. Coll. 1x, No. 7, 1912, p. 11: Tapanuli Bay, North-east Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Banka; Nias Island, West Sumatra.

***Pycnonotus simplex perplexus* Chas. and Kloss.**

Pycnonotus simplex perplexus Chasen and Kloss, Journ. f. Orn. 1929, Bd. 2, p. 116: Balambangan Island, North Borneo.

Distr.—Borneo; South Natuna Islands; Billiton.

***Pycnonotus simplex halizonus* Oberh.**

Pycnonotus simplex halizonus Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 43: Jimaja Island, Anamba Islands.

Pycnonotus simplex axanthiaus Oberholser, Bull. U.S. Nat. Mus. 159, 1928, p. 78: Bunguran Island, North Natuna Islands.

Distr.—Anamba Islands.

North Natuna Islands.

***Pycnonotus simplex prillwiti* Hart.**

Pycnonotus prillwiti Hartert, Nov. Zool. ix, 1902, p. 561: Karangbolong, South Java.

Distr.—Java.

***Pycnonotus brunneus* Blyth.**

Brown Bulbul.

***Pycnonotus brunneus brunneus* Blyth.**

Pycnonotus brunneus Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 568: Malacca.

Pycnonotus brunneus saphaeus Oberh.,² Proc. U.S. Nat. Mus. liv, 1917, p. 194: Mata Sireh Island, Java Sea.

Distr.—Malay Peninsula.

Sumatra; Banjak and Nias Islands, West Sumatra.

Borneo; Banguey Island, North Borneo; Karimata Islands.

¹ *P. brunneus* is, of course, not a synonym of *simplex* (cf. F.B.I., 2nd ed. vii, p. 87) but a distinct species: *modestus* Blyth is a nomen nudum but it refers to *brunneus* and not to *simplex*.

² We have never seen exact topotypes of *P. b. saphaeus* but we cannot separate Bornean birds which are said by Oberholser to be *saphaeus*.

Pycnonotus brunneus zapolius Oberh.

Pycnonotus brunneus zapolius Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 45: Siantan Island, Anamba Islands.

Distr.—Tioman Island, east coast Malay Peninsula.
Anamba Islands.

Pycnonotus erythrophthalmos (Hume).

Small Olive Bulbul

Pycnonotus erythrophthalmos erythrophthalmos (Hume).

Ixos erythrophthalmos Hume, Stray Feathers, vi, 1878, p. 314: Pakchan, South Tenasserim.

Pycnonotus erythrophthalmos cyanocephalus Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 10: Rupat Strait, East Sumatra.

Distr.—Malay Peninsula.
Sumatra; Billiton.

Pycnonotus erythrophthalmos salvadorii Sharpe.

Pycnonotus salvadorii Sharpe, Cat. Bds. Brit. Mus. vi, 1881, p. 401, (nom. nov. for *P. pusillus* Salvad., not *Hæmatornis pusillus* Blyth, 1841): Sarawak, Borneo.

Pycnonotus pusillus Salvadori, Ann. Mus. Civ. Gen. 1874, p. 200: Sarawak.

Distr.—Borneo.

***Pycnonotus erythrophthalmos isus** Oberh.

Pycnonotus erythrophthalmos isus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 10: Tuanku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Pycnonotus erythrophthalmos pammicrus** Oberh.

Pycnonotus erythrophthalmos pammicrus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 11: Nias Island.

Distr.—Nias Island, West Sumatra.

Pycnonotus cyaniventris Blyth.

Grey-bellied Bulbul.

Pycnonotus cyaniventris cyaniventris Blyth.

Pycnonotus (?) *cyaniventris* Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 792: Singapore Island.

Malacopteron aureum Eyton, Ann. Nat. Hist. xxvi, 1845, p. 229: Malacca.

Brachypus polioptis Bp., Consp. Gen. Avium, 1850, p. 264: Sumatra.

Distr.—Malay Peninsula.
Sumatra.

Pycnonotus cyaniventris paroticalis (Sharpe).

Ididia paroticalis Sharpe, Ibis, 1878, p. 418: Sarawak, Borneo.

Distr.—Borneo.

Pycnonotus tympanistrigus (Müll.). Small White-streaked Bulbul.

Ixos tympanistrigus S. Müller, Tijds. Nat. Gesch. Phys. 1835, p. 353 : Sumatra.

Brachypus tigus Bp., Consp. Gen. Avium, i, 1850, p. 264 : Sumatra.

Distr.—Sumatra.

Pycnonotus flaviventris (Tick.). Black-crested Yellow Bulbul.

[**Pycnonotus flaviventris flaviventris** (Tickell).]

Vanga flaviventris Tickell, Journ. Asiat. Soc. Beng. ii, 1833, p. 573 : Chota Nagpur.

Distr.—Extra-limital.]

Pycnonotus flaviventris minor (Kloss).

Otocompsa flaviventris minor Kloss, Ibis, 1918, p. 200 : Koh Lak, South-west Siam.

Distr.—Malay Peninsula.

Pycnonotus flaviventris montis (Sharpe).

Rubigula montis Sharpe, Proc. Zool. Soc. 1879, p. 247 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Pycnonotus dispar (Horsf.). Ruby-throated Bulbul.

Pycnonotus dispar dispar (Horsf.).

Turdus dispar Horsfield, Trans. Linn. Soc. xiii, 1820, p. 150 : Java.

Distr.—Sumatra.

Java.

Pycnonotus squamatus (Temm.). Scaly-breasted Bulbul.

Pycnonotus squamatus squamatus (Temm.).

Turdus squamatus Temminck, Pl. Col. 453, 1828 : Java.

Distr.—Java.

Pycnonotus squamatus webberi (Hume).

Ixidia webberi Hume, Stray Feathers, viii, 1879, p. 40 : Tongka (Junk Zeylon) Island, North Malay Peninsula.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

* Sharpe, Cat. Bds. vi, p. 62 (footnote) appears to have been mistaken in stating that the type of *Ixos tympanistrigus* Müll. is a specimen of *Euphilosus eutilotus* Jard. and Selby, for according to Mr. G. C. H. Junge (in litt.) who has kindly examined the material in the Leyden Museum the type specimen of *tympanistrigus* is the bird later described as *B. tigus* Bp. : Finsch noted this in Notes Leyd. Mus. xxvi, p. 95.

Pycnonotus aurigaster (Vieill.). Golden-vented Bulbul.

Pycnonotus aurigaster aurigaster (Vieill.).

Turdus aurigaster Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xx, 1818, p. 258: Java.

Brachypus chrysorrhæus Stephs., Gen. Zool. xiii, 1826, p. 189.

Pycnonotus crocorrhous Strickl., Ann. Nat. Hist. xiii, 1844, p. 412: Java.

Pycnonotus aurigaster martini Parrot, Abh. Kon. Bay. Acad. Wiss. xxiv, 1907, p. 239: Sumatra.

Distr.—Singapore Island (introduced).

Sumatra (introduced).

Java.

Pycnonotus jocosus (Linn.).

Red-whiskered Bulbul.

[**Pycnonotus jocosus jocosus** (Linn.).

Lanius jocosus Linn., Syst. Nat. 10th. ed. 1758, p. 95: China.

Distr.—Extra-limital.]

Pycnonotus jocosus erythrotis (Bp.).¹

Ixos erythrotis Bonaparte, Conspectus Gen. Avium, 1850, p. 265: Java, error=Tavoy.

Distr.—Malay Peninsula.

Sumatra (? introduced).

Java (? introduced).

Family TIMALIIDÆ.

Genus EUPETES Temminck.

Eupetes macrocerus Temm.

Rail-Babbler.

Eupetes macrocerus macrocerus Temm.

Eupetes macrocerus Temminck, Pl. Col. 516, 1831: Padang, West Sumatra.

Eupetes macrocerus griseiventris Stuart Baker, Bull. Brit. Orn. Cl. xxxviii, 1917, p. 8: Tung Song, Peninsular Siam.

Distr.—Malay Peninsula.

Sumatra.

North Natuna Islands.

Eupetes macrocerus borneensis Rob. and Kloss.

Eupetes macrocerus borneensis Robinson and Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 204: Samarahan, South Sarawak.

Eupetes macrocerus subrufus Hach., Bull. B. O. Cl., xlii, 1926, p. 54: Mt. Dulit, Sarawak.

Eupetes macrocerus subrufus Hach., Bull. B. O. Cl., xlvii, 1926, p. 54: Mt. Dulit, Sarawak.

Distr.—Borneo.

¹ Records from the south of the Malay Peninsula, Sumatra and Java are no doubt founded on cage birds and it is very doubtful if the species naturally ranges further south than about the latitude of Kelantan.

Genus **GARRULAX** Lesson.¹**Garrulax erythrocephalus** (Vig.). Red-headed Laughing-Thrush.[**Garrulax erythrocephalus erythrocephalus** (Vig.).*Cinclosoma erythrocephalum* Vigors, Proc. Zool. Soc. for 1831, 1832, p. 171: Simla.*Distr.*—Extra-limital.]**Garrulax erythrocephalus peninsulæ** (Sharpe).*Trochalopecteron peninsulæ* Sharpe, Proc. Zool. Soc. 1887, p. 436, pl. 37: Mt. Ijau, Perak, Malay States.*Distr.*—Malay Peninsula.**Garrulax leucolophus** (Hardw.). White-crested Laughing-Thrush.[**Garrulax leucolophus leucolophus** (Hardw.).*Corvus leucolophus* Hardwicke, Trans. Linn. Soc. xi, 1815, p. 208, pl. 15: Kumaun.*Distr.*—Extra-limital.]**Garrulax leucolophus bicolor** Hartl.*Garrulax bicolor* Hartlaub, Rev. Mag. Zool. 1844, p. 402: Sumatra.*Distr.*—Sumatra.**Garrulax rufifrons** Less.

Plain-brown Laughing-Thrush.

Garrulax rufifrons rufifrons Less.*Garrulax rufifrons* Lesson in Bélanger, Voy. Inde, Zool. 1834, p. 26, tab. 5: West Java.*Distr.*—Java (west).**Garrulax rufifrons slamatensis** Siebers.*Garrulax rufifrons slamatensis* Siebers, Treubia, xi, 1929, p. 150: Mt. Slamet, Mid Java.*Distr.*—Java (Central).**Garrulax palliatus** (Bp.).

Grey-and-brown Laughing-Thrush.

Garrulax palliatus palliatus (Bp.).*Ianthocincla palliata* Bonaparte, Consp. Gen. Avium i, 1850, p. 371: Sumatra.*Distr.*—Sumatra.**Garrulax palliatus schistochlamys** Sharpe.*Garrulax schistochlamys* Sharpe, Ibis, 1888, p. 479: Mt. Kinabalu, North Borneo.*Distr.*—Borneo.¹ Revisions: Meinert, Ibis, 1928, p. 507; Berlioz, Rev. Hist. Nat. xi, 1930, p. 1.

Genus **MELANOCICHLA** Sharpe.**Melanocichla lugubris** (S. Müll.). Black Babbling-Thrush.**Melanocichla lugubris lugubris** (S. Müll.).*Ianthocincla lugubris* Sal. Müller, Tijds. Nat. Ges. Phys. 1835, p. 344, pl. 5, fig. 2: West Sumatra.*Melanocichla peninsularis* Sharpe, Proc. Zool. Soc. 1888, p. 274: Mt. Batu Puteh, Perak, Malay States.*Distr.*—Malay States.

Sumatra.

Melanocichla lugubris calvus (Sharpe).¹*Allocotops calvus* Sharpe, Ibis, 1888, p. 389: Mt. Kinabalu, North Borneo.*Distr.*—Borneo.Genus **RHINOCICHLA** Sharpe.**Rhinocichla mitrata** (S. Müll.). Chestnut-capped Babbling-Thrush.**Rhinocichla mitrata mitrata** (S. Müll.).*Timalia mitrata* Sal. Müller, Tijds. Nat. Ges. Phys. 1835, p. 345, pl. 5, fig. 3: Sumatra.*Garrulax vittatus* de Filippi, Mus. Mediol. Anim. Vert. 1847, p. 31: Sumatra (*restr.*).*Distr.*—Sumatra.**Rhinocichla mitrata major** Rob. and Kloss.*Rhinocichla mitrata major* Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 16: Mt. Ijau, Larut Hills, Perak.*Distr.*—Malay States.**Rhinocichla mitrata treacheri** (Sharpe).*Ianthocincla treacheri* Sharpe, Proc. Zool. Soc. 1879, p. 248, pl. 23: Mt. Kinabalu, North Borneo.*Distr.*—Borneo (north).**Rhinocichla mitrata damnata** Harr. and Hartley.*Rhinocichla mitrata damnata* Harrison and Hartley, Bull. Brit. Orn. Cl. liv, 1934, p. 154: Mt. Dulit, Sarawak, Borneo.*Distr.*—Borneo (part).

¹ The genus *Allocotops* Sharpe was made for *calvus* and the bird is often quoted as the monotypic representative of a highly specialized Bornean genus. The above action in reducing it to the rank of a subspecies may therefore be regarded as drastic, but I think it is the right one. I have noted *incipient baldness* in *lugubris* from the Malay Peninsula.

Genus **POMATORHINUS** Horsfield.

Pomatorhinus montanus Horsf. Chestnut-backed Scimitar-Babbler.

Pomatorhinus montanus montanus Horsf.

Pomatorhinus montanus Horsfield, Trans. Linn. Soc. xiii, 1821,
p. 165 : West Java.

Distr.—Java (not east).

Pomatorhinus montanus ottolanderi Rob.

Pomatorhinus montanus ottolanderi Robinson, Journ. Fed. Mal.
States Mus. vii, 1918, p. 235 : Idjen Massif, East Java.

Distr.—Java (east); Bali.

Pomatorhinus montanus bornensis Cab.

Pomatorhinus bornensis Cabanis, Mus. Heine, i, 1850, p. 84 :
Borneo.

Distr.—Borneo.

Pomatorhinus montanus occidentalis Rob. and Kloss.

Pomatorhinus montanus occidentalis Robinson and Kloss, Journ.
Fed. Mal. States Mus. xi, 1923, p. 51 : Selangor, Malay States.

Distr.—Malay States.
Sumatra.

Pomatorhinus schisticeps Hodgs. Brown-backed Scimitar-Babbler.

[**Pomatorhinus schisticeps schisticeps** Hodgs.

Pomatorhinus schisticeps Hodgson, Asiat. Res. xix, 1836, p. 181 :
Nepal.

Distr.—Extra-limital.]

Pomatorhinus schisticeps fastidiosus Hart.

Pomatorhinus schisticeps fastidiosus Hartert, Bull. Brit. Orn. Cl.
xxxvi, 1916, p. 81 : Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Pomatorhinus hypoleucos (Blyth). Large Scimitar-Babbler.

[**Pomatorhinus hypoleucos hypoleucos** (Blyth).

Orthorhinus hypoleucos Blyth, Journ. Asiat. Soc. Beng. xiii, 1844,
p. 371 : Arakan.

Distr.—Extra-limital.]

Pomatorhinus hypoleucos wrayi Sharpe.

Pomatorhinus wrayi Sharpe, Proc. Zool. Soc. 1887, p. 437 : Mt.
Ijau, Larut Hills, Perak.

Distr.—Malay States.

TIMALIIDÆ.

Genus **TIMALIA** Horsfield.

Timalia pileata Horsf. Red-capped Babbler.

Timalia pileata pileata Horsf.

Timalia pileata Horsfield, Trans. Linn. Soc. xiii, 1821, p. 151 :
Java.

Distr.—Java (not east).

Timalia pileata intermedia Kinn.

Timalia pileata intermedia Kinnear, Bull. Brit Orn. Cl. xlv, 1924,
p. 9 : Taunghoo, Burma.

Distr.—Peninsular Siam.¹

Genus **GAMPSORHYNCHUS** Blyth.

Gampsorhynchus rufulus Blyth. White-headed Babbler.

[**Gampsorhynchus rufulus rufulus** Blyth.

Gampsorhynchus rufulus Blyth, Journ. Asiat. Soc. Bengal, xiii,
1844, p. 371 : Darjeeling.

Distr.—Extra-limital.]

Gampsorhynchus rufulus saturator Sharpe.

Gampsorhynchus saturator Sharpe, Proc. Zool. Soc. 1888, p. 273 :
Mt. Batu Puteh, Perak, Malay States.

Distr.—Malay States.

Genus **ANDROPHILUS** Sharpe.

Androphilus accentor Sharpe. Friendly Babbler.

Androphilus accentor Sharpe, Ibis, 1888, p. 390 : Mt. Kinabalu,
North Borneo.

Distr.—Borneo.

Genus **PELLORNEUM** Swainson.

Pellorneum ruficeps Swains. Striped Babbler.

[**Pellorneum ruficeps ruficeps** Swains.

Pellorneum ruficeps Swainson, Fauna Boreal. Amer. 1832, p. 487 :
India.

Distr.—Extra-limital.]

¹ The presence of this bird in the Malay Peninsula south of the Isthmus of Kra needs confirmation.

Pellorneum ruficeps subochraceum Swinh.

Pellorneum subochraceum Swinhoe, Ann. Mag. Nat. Hist. (4) vii, 1871, p. 257: Tenasserim.

Distr.—Malay Peninsula.

Pellorneum capistratum (Temm.).

Black-capped Babbler.

Pellorneum capistratum capistratum (Temm.).

Myiothera capistrata Temminck, Pl. Col. 185, 1823: Java.

Distr.—Java.

Pellorneum capistratum nigrocapitatum (Eyton).

Brachypteryx nigrocapitata Eyton, Proc. Zool. Soc. 1839, p. 103: Malacca.

Bessethera barbata Cab., Mus. Hein. i, 1850, p. 76: Malacca (*Oberh.* 1922.).

Distr.—Malay Peninsula; Billiton.

North Natuna Islands.

Pellorneum capistratum nyctilampe (Oberh.).¹

Drymocataphus nigrocapitatus nyctilampis Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 10: Banka.

Distr.—Sumatra; Banka.

Pellorneum capistratum capistratoides (Strickl.).

Goldana capistratoides Strickland, Contr. Orn. 1849, p. 128, pl. 36: South Borneo.

Distr.—Borneo (not north).

Pellorneum capistratum morrelli Chas. and Kloss.

Pellorneum capistratum morrelli Chasen and Kloss, Journ. f. Ornith. 1929, Bd. 2, p. 118: Kudat, North Borneo.

Distr.—Borneo (north); Banguet Island, North Borneo.

Pellorneum tickelli Blyth.

Tickell's Babbler.

Pellorneum tickelli tickelli Blyth.

Pellorneum tickelli Blyth, Journ. Asiat. Soc. Bengal, xxviii, 1859, p. 414: Amherst, Tenasserim.

Distr.—Peninsular Siam (north).

Pellorneum tickelli australe (Rob. and Kloss).

Drymocataphus tickelli australis Robinson and Kloss, Journ. Fed. Mal. States Mus. x, 1921, p. 205: Selangor, Malay States.

Distr.—Malay Peninsula.

¹ A rather doubtful race. The skins fade very quickly in the tropics, but some birds from Sumatra certainly seem darker than specimens from the Malay Peninsula.

Genus **MALACOCINCLA** Blyth.¹

Malacocincla abbotti² Blyth. Abbott's Brown Babbler.

Malacocincla abbotti abbotti Blyth.

Malacocincla Abbotti Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 601: Arakan.

Distr.—Malay Peninsula (south to about Penang).

Malacocincla abbotti olivacea (Strick.).

Malacopteron olivaceum Strickland, Proc. Zool. Soc. for 1846, 1847, p. 102: Malacca.

Distr.—Malay Peninsula (south from Penang).
Sumatra.

Malacocincla abbotti büttikoferi Finsch.

Malacocincla Büttikoferi Finsch, Notes Leyd. Mus. xxii, 1901, p. 218: South-east Borneo.

Distr.—Borneo.

***Malacocincla abbotti eritor** Oberh.

Malacocincla abbotti eritor Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 11: Billiton Island.

Distr.—Billiton Island.

Malacocincla abbotti bawean Oberh.

Malacocincla abbotti bawean Oberholser, Proc. U.S. Nat. Mus. lii, 1917, p. 194: Bawean Island.

Distr.—Bawean Island, Java Sea.

***Malacocincla abbotti sirensis** Oberh.

Malacocincla abbotti sirensis Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 195:

Distr.—Mata Siri Island, Java Sea.

Malacocincla sepiaria (Horsf.).³ Horsfield's Brown Babbler.

Malacocincla sepiaria sepiaria (Horsf.).

Brachypteryx sepiaria Horsfield, Trans. Linn. Soc. xiii, 1821, p. 158: West Java.

Distr.—Java (not east).

¹ A form of *Malacocincla* is said to occur in the Rhio Archipelago. It is most likely *M. a. olivacea* (Strick.). Short revision: Chas. and Kl., Bull. Raffles Mus. 4, 1930, p. 71.

² Several names (*hypoides*, *concreta*, *pyca*, *schwaneri*) originally applied to specimens in the Leyden Museum, refer either to this species, or to *M. sepiaria*. Fortunately they seem to be *nomina nuda* in all citations.

³ This distinct species is confused with *M. abbotti* in Faun. Brit. Ind. (2nd ed.).

TIMALIIDÆ.

Malacocincla sepiaria minor (Meyer).

Turdinus sepiaria var. *minor* A. B. Meyer, Zeitschr. f. gesamte Orn. i, 1884, p. 210: East Java.

Distr.—Java (east); Bali.

Malacocincla sepiaria tardinata Hart.

Malacocincla sepiaria tardinata Hartert, Bull. Brit. Orn. Cl. xxxvi, 1915, p. 35: Mt. Tahan, Malay States.

Distr.—Malay Peninsula.
Sumatra (north-east).

Malacocincla sepiaria barussana Rob. and Kloss.

Malacocincla sepiaria barussana Robinson and Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 205: Korinchi, West Sumatra.

Distr.—Sumatra (west and south).

Malacocincla sepiaria rufiventris Salvad.

Malacocincla rufiventris Salvadori, Ann. Mus. Civ. Gen. v, 1874, p. 229: Sarawak.

Turdinus tephrops Sharpe, Bull. Brit. Orn. Cl. i, 1893, p. 54: Mt. Kalulong, Sarawak.

Distr.—Borneo (Sarawak and Dutch Borneo).

Malacocincla sepiaria harterti Chas. and Kloss.

Malacocincla sepiaria harterti Chasen and Kloss, Journ. f. Ornith. 1929, Band 2, p. 116: near Sandakan, British North Borneo.

Distr.—Borneo (north).

Malacocincla perspicillatus (Bp.).¹ Large Ashy-throated Babbler.

Cacopitta perspicillata Bonaparte, Consp. Gen. Avium, i, 1850, p. 257: Java error=Borneo (*Büttikofer*, 1895).

Distr.—Borneo.

Genus **AETHOSTOMA** Sharpe.

Aethostoma rostratum (Blyth).

Blyth's Babbler.

Aethostoma rostratum rostratum (Blyth).

Trichastoma rostratum Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 795: Singapore Island.

Brachypteryx buxtoni Walden, Proc. Zool. Soc. 1877, p. 367: Lampongs, Sumatra.

Ptilocichla leucogastra Davison, Ibis, 1892, p. 100: Pahang, Malay Peninsula.

¹ A most mysterious bird of which little is known.

- Aethostoma rostrata aethalea* Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922,
p. 12: Karimon Anak Island, Rhio Archipelago.
Aethostoma rostrata paganica Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922,
p. 12: Upper Siak River, East Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Billiton.

Aethostoma rostratum macropterum (Salvad.).

Brachypteryx macroptera Salvadori, Atti. R. Acad. Sci. Torino, iii,
1868, p. 528: Sarawak.

Aethostoma witmeri Sharpe, Handlist of Birds, iv, 1903, p. 358: Sarawak.

Distr.—Borneo; Banguay Island, North Borneo.

Aethostoma pyrrhogenys (Temm.).

Temmick's Babbler.

Aethostoma pyrrhogenys pyrrhogenys (Temm.).

Myiothera pyrrhogenys Temminck, Pl. Col. 442, 1827: West Java.

Distr.—Java (not east).

Aethostoma pyrrhogenys besuki Kloss.

Aethostoma pyrrhogenys besuki Kloss, Treubia, 13, 1931, p. 346:
Tamansari, East Java.

Distr.—Java (east).

Aethostoma pyrrhogenys büttikoferi (Vorderm.).

Trichostoma Büttikoferi Vorderman, Nat. Tijds. Ned. Ind. 1892,
p. 230: Lampongs, South Sumatra.

Distr.—Sumatra.

Aethostoma pyrrhogenys canicapillum (Sharpe).

Turdinus canicapillus Sharpe, Ibis, 1887, p. 450: Mt. Kinabalu,
North Borneo. ...

Distr.—Mt. Kinabalu, North Borneo.

Aethostoma pyrrhogenys longstaffi (Harr. and Hart.).

Malacocincla canicapillus longstaffi Harrison and Hartley, Bull.
B.O.C. liv, 1934, p. 152: Mt. Dulit, Sarawak.

Distr.—Sarawak (not west).

Aethostoma pyrrhogenys erythrota (Sharpe).

Malacopteryx erythrota Sharpe, Cat. Bds. Brit. Mus. vii, 1883, p.
567, pl. 13, fig. 2: "Borneo".

Distr.—Sarawak (west).¹

¹ On the mountains of West Sarawak (Poi and Penrissen) there is a race of *A. pyrrhogenys* very variable in general colour, some specimens being as pale as *A. p. canicapilla* and others as dark as *A. p. longstaffi*, but with the forehead and crown paler than in these two races. A faded specimen of this race is rather more rufous above than the old type of *erythrota*, but the birds are sufficiently alike to justify the adoption of the name as proposed above.

Genus **TURDINUS** Blyth.

Turdinus macrodactylus (Strickl.). Large-footed Babbler

Turdinus macrodactylus macrodactylus (Strickl.).

Malacopteron macrodactylum Strickland, Ann. Mag. Nat. Hist. xiii, 1844, p. 417: Malacca.

Brachypteryx albogularis Hartl., Rev. Mag. Zool. 1844, p. 401: Malacca.

Distr.—Malay States.

Turdinus macrodactylus bakeri Hach.

Turdinus macrodactylus bakeri Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 54: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Turdinus macrodactylus lepidopleurus (Bp.).

Cacopitta lepidopleura Bonaparte, Consp. Gen. Avium i, 1850, p. 257: Java.

Distr.—Java.¹

Turdinus macrodactylus rufipectus Salvad.

Turdinus rufipectus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 224: Sumatra.

Distr.—Sumatra.

Turdinus macrodactylus atrigularis (Bp.).

Cacopitta atrigularis Bonaparte, Consp. Gen. Av. i, 1850, p. 257: Borneo.

Distr.—Borneo.

Turdinus marmoratus S. Müll.

Müller's Babbler.

Turdinus marmoratus Wardlaw-Ramsay, Proc. Zool. Soc. 1880, p. 15: West Sumatra.

Myiothera loricata Müller (nec Licht.), Tijds. Nat. Ges. Phys. 1835, p. 348, pl. v, fig. 5: West Sumatra.

Distr.—Malay States.

Sumatra.

Genus **ERYTHROCICHLA** Sharpe.

Erythrocichla bicolor (Less.).

Ferruginous Babbler.

Brachypteryx bicolor Lesson, Rev. Zool. 1839, p. 138: Sumatra.

Malacopteron ferruginosum Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 383: Singapore Island.

Napothera rubicauda Bp., Consp. Gen. Av. i, 1850, p. 359: Sumatra.

Erythrocichla bicolor whiteheadi Hart., Bull. B. O. Cl. xxxvi, 1915, p. 36: British North Borneo.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

¹ Has been recorded from Sumatra but we think in error.

Genus **MALACOPTERON**¹ Eyton.

Malacopteron magna Eyton. Larger Red-headed Tree-Babbler.

Malacopteron magnum magnum Eyton.

Malacopteron magnum Eyton, Proc. Zool. Soc. 1839, p. 103 : Malacca.

Malacopteron majus Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p. 461 : Malacca.

Napothera pileata Bp., Consp. Gen. Avium, 1850, p. 359 : Sumatra.

Distr.—Malay Peninsula.

Sumatra; Nias Island, West Sumatra.

Borneo (not north); North Natuna Islands.

Malacopteron magnum saba Chas. and Kloss.

Malacopteron magnum saba Chasen and Kloss, Bull. Raffles Mus. 4, 1930, p. 75 : Sandakan, British North Borneo.

Distr.—Borneo (north).

Malacopteron cinereum Eyton. Smaller Red-headed Tree-Babbler.

Malacopteron cinereum cinereum Eyton.

Malacopteron cinereus Eyton, Proc. Zool. Soc. 1839, p. 103 : Malacca.

Napothera coronata Bp., Consp. Gen. Avium, 1850, p. 358 : Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos.

Borneo.

Malacopteron cinereum rufifrons Cab.

Malacopteron rufifrons Cabanis, Mus. Heine, i, 1850, p. 65 : Java.

? *Timalia ruficapilla* Jacq. and Puch., Voy. Pôle Sud. Ois. iii, 1853, p. 89 : Pulau Laut, S. E. Borneo (? error).

? *Timalia squamifrons* Bp., Comptes Rend. xxxviii, 1854, p. 59 (ex Puch. MS).

Distr.—Java.²

Malacopteron cinereum bungurens Hart.

Malacopteron cinereum bungurens Hartert, Nov. Zool. i, 1894, p. 470 : Bungurun, North Natuna Islands.

Distr.—North Natuna Islands.

¹ If *Malacopteron* is considered preoccupied by *Malacopterus* Serv. 1833 *Malacornis* Gistel, 1850 must be used. See Riley 1933.

² The occurrence of this form in Sumatra, or Borneo, is doubtful. The name *lepidocephalus* seems to be *nom. nud.* in all citations.

Malacopteron magnirostre (Moore). Brown-headed Tree-Babbler.

Malacopteron magnirostre magnirostre (Moore).

Alcippe magnirostris Moore, Proc. Zool. Soc. for 1854, 1855, p. 277 : Malacca.

Distr.—Malay Peninsula; Tioman Island.

Sumatra; Lingga Archipelago; Mansalar Island, West Sumatra.

Malacopteron magnirostre flavum Chas. and Kloss.

Malacopteron magnirostris flavum Chasen and Kloss, Journ. Mal. Br. Roy. Asiat. Soc. vi, pt. 3, 1928, p. 58 : Siantan Island, Anamba Islands.

Distr.—Anamba Islands.

Malacopteron magnirostre cinereocapillum (Salvad.).

Alcippe cinereocapilla Salvadori, Atti. R. Accad. Sci. Torino iii, 1868, p. 530 : Sarawak, Borneo.

Turdinus kalulonga Sharpe, Bull. Brit. Orn. Cl. i, 1893, p. 54 : Mt. Kalulong, Sarawak.

Distr.—Borneo.

Malacopteron affine (Blyth).

Small Tree-Babbler.

Malacopteron affine affine (Blyth).

Trichastoma affine Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 795 : Singapore Island.

Napothera atricapilla Bp., Consp. Gen. Avium. i, 1850, p. 359 : Sumatra.

Alcippe cantori Moore, Proc. Zool. Soc. 1854, p. 277 : Penang.

Malacopteron melanocephalum Davison, Ibis, 1892, p. 101 : Pahang.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

? Java.¹

***Malacopteron affine notatum** Richm.

Malacopteron notatum Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 120 : Bangkaru Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

Genus **OPHRYDORNIS** Büttikofer.

Ophrydornis albogularis (Blyth).

White-throated Babbler.

Ophrydornis albogularis albogularis (Blyth).

Setaria albicularis Blyth, Journ. As. Soc. Bengal, xiii, 1844, p. 385 : Singapore Island.

Distr.—Malay States.

Sumatra.

¹ The record for Java is unsatisfactory and needs confirmation.

Ophrydornis albogularis moultoni Rob. and Kloss.

Ophrydornis albogularis moultoni Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1919, p. 17: Saribas, Sarawak, Borneo.

Setaria albigularis leucogastra Hach., Bull. Brit. Orn. Cl., xlvii, 1926, p. 54: Sarawak.

Distr.—Borneo.

Genus **PTILOCICHLA** Sharpe.**Ptilocichla leucogrammica**¹ (Bp.). Bornean Streaked Babbler.

Cacopitta leucogrammica Bonaparte, Consp. Gen. Avium, i, 1850, p. 257: Borneo.

Distr.—Borneo.

Genus **ANUROPSIS** Sharpe.**Anuropsis malaccensis** (Hartl.).² Hume's Short-wing.**Anuropsis malaccensis malaccensis** (Hartl.).

Brachypteryx malaccensis Hartlaub, Rev. Mag. Zool. 1844, p. 402: Malacca.

Anuropsis malaccensis drymodrama Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922, p. 9: Mandau River, East Sumatra.

Anuropsis malaccensis driophila Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922, p. 9: Trang, Peninsular Siam.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio and Lingga Archipelagos.

North Natuna Islands.

***Anuropsis malaccensis docima** Oberh.

Anuropsis malaccensis docima Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 10: Banka Island.

Distr.—Banka Island.

Anuropsis malaccensis saturata Rob. and Kloss.

Anuropsis malaccensis saturata Robinson and Kloss, Bull. Brit. Orn. Cl. xl, 1920, p. 68: Baram, Sarawak.

Distr.—Borneo (west); Billiton.

Anuropsis malaccensis poliogenis (Strickl.).

Brachypteryx poliogenis Strickland, in Jardine's Contr. Orn. ii, 1849, p. 93, pl. 31: Karau River, South-east Borneo.

Anuropsis malaccensis sordidus Chasen and Kloss, Journ. f. Orn. 1929, Bd. 2, p. 119: near Sandakan, North Borneo.

Distr.—Borneo (north and east).

¹ The only Malaysian representative of a Philippine group.

² Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 61.

Anuroopsis malaccensis feriatus Chas. and Kloss.

Anuroopsis malaccensis feriatus Chasen and Kloss, Nov. Zool. xxxvi, 1931, p. 279: Mt. Mulu, North Sarawak.

Distr.—Borneo (part).

***Anuroopsis malaccensis exsanguis** Oberh.

Anuroopsis malaccensis exsanguis Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 8: Tuanku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Anuroopsis malaccensis nesitis** Oberh.

Anuroopsis malaccensis nesitis Oberholser, Smiths. Misc. Coll. lx, 7, 1912, p. 8: Tana Masa Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Genus **NAPOTHERA** Gray.

Napothera brevicaudata (Blyth). Streaked Wren-Babbler.

[*Napothera brevicaudata brevicaudata* (Blyth).]

Turdinus brevicaudatus Blyth, Journ. Asiat. Soc. Bengal, xxiv, 1855, p. 272: Tenasserim.

Distr.—Extra-limital.]

Napothera brevicaudata leucosticta (Sharpe).

Corythocichla leucosticta Sharpe, Proc. Zool. Soc. 1887, p. 438: Larut Hills, Perak.

Corythocichla brevicaudata herberti Stuart Baker, Bull. Brit. Orn. Cl. xxxviii, 1917, p. 10: Tung Song, Peninsular Siam.

Distr.—Malay Peninsula; Tioman Island, east coast Malay Peninsula.

Napothera brevicaudata crassa (Sharpe).

Corythocichla crassa Sharpe, Ibis, 1888, p. 391: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Napothera epilepidota (Temm.). Small Wren-Babbler.

Napothera epilepidota epilepidota (Temm.).

Myiothera epilepidota Temminck, Pl. Col. 448, 1827: Java (*Hartert*, 1902).

Myiothera murina Blyth, Ibis, 1865, p. 47: Java.

Distr.—Java.

Napothera epilepidota diluta (Rob. and Kloss).

Turdinulus epilepidotus dilutus Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. No. 73, 1916, p. 276: Korinchi, Sumatra.

Distr.—Sumatra.

Napothera epilepidota granti (Richm.).

Turdinulus granti Richmond, Proc. U.S. Nat. Mus. xxii, 1900,
p. 320: Trang, Peninsular Siam.

Turdinulus humei Hart., Nov. Zool. ix, 1902, p. 564: Mt. Tahan,
Pahang.

Distr.—Malay Peninsula.

Napothera epilepidota exsul (Sharpe).

Turdinulus exsul Sharpe, Ibis, 1888, p. 479: Mt. Kinabalu, Borneo.

Distr.—Borneo.

Genus **RIMATOR** Blyth.

Rimator malacoptilus Blyth.

Long-billed Wren-Babbler.

[**Rimator malacoptilus malacoptilus** Blyth.

Rimator malacoptilus Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847,
p. 154: Darjeeling.

Distr.—Extra-limital.]

Rimator malacoptilus albostratus Salv.

Rimator albostratus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879,
p. 224: Padang Highlands, Sumatra.

Distr.—Sumatra.

Genus **ALCIPPE**¹ Blyth

Alcippe nipalensis (Hodgs.).

Mountain Nun-Thrush.

[**Alcippe nipalensis nipalensis** (Hodgs.).

Siva nipalensis Hodgson, Indian Review, 1838, p. 89: Nepal.

Distr.—Extra-limital.]

Alcippe nipalensis peracensis Sharpe.

Alcippe peracensis Sharpe, Proc. Zool. Soc. 1887, p. 439: Perak.

Distr.—Malay States.

Alcippe poiocephala (Jerd.).

Indian Nun-Thrush.

[**Alcippe poiocephala poiocephala** (Jerd.).

Thimalia poiocephala Jerdon, Madras Journ. Lit. Sci. xiii, 1844,
p. 169: Nilgiris.

Distr.—Extra-limital.]

Alcippe poiocephala davisoni Har.

Alcippe phaeocephala davisoni Harington, Journ. Bombay Nat. Hist.
Soc. xxiii, 1915, p. 453: Tavoy.

Distr.—Peninsular Siam.

¹ For continued use of this name see Riley 1933.

Alcippe poiocephala pyrrhoptera (Bp.).

Napothera pyrrhoptera Bonaparte, Consp. Gen. Avium, i, 1850, p. 358: Java.

Alcippe solitaria Cab., Mus. Hein. i, 1850, p. 87: Sumatra error=Java.

Alcippe dumetoria Cab., Mus. Hein. i, 1850, p. 88: Java.

Mixornis erythronota Reichen., Journ. f. Orn. 1895, p. 356: Java.

Distr.—Java.

Alcippe cinerea Blyth.¹

Nun-Thrush.

Alcippe cinerea cinerea Blyth.²

Alcippe cinerea Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 384: Singapore Island.

? *Hyloterpe brunneicauda* Salvad., Ann. Mus. Civ. Gen. (1), xiv, 1879, p. 210: Padang, West Sumatra.

Alcippornis brunneicauda eriphaea Oberh., Smiths Misc. Coll. lxxiv, 2, 1922, p. 2: Borneo.

Alcippornis brunneicauda eripolia Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 63: Bunguran Island, North Natuna Islands.

Distr.—Malay Peninsula.

Sumatra.

Borneo; North Natuna Islands.

***Alcippe cinerea hypocneca** Oberh.

Alcippe cinerea hypocneca Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 8: Pinie Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Genus **PSEUDOMINLA** Oates.

Pseudominla castaneiceps (Hodgs.).

Tit-Babbler.

[**Pseudominla castaneiceps castaneiceps** (Hodgs.).

Minla castaneiceps Hodgson, Ind. Review, 1838, p. 33: Nepal.

Distr.—Extra-limital.]

Pseudominla castaneiceps soror (Sharpe).

Minla soror Sharpe, Proc. Zool. Soc. 1887, p. 439, pl. 38, fig. 1: Mt. Ijau, Perak.

Distr.—Malay States.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 63.

² Blyth's name is, as Oberholser (1932) points out, a new combination of generic and specific terms, as a result of a mistaken identification and it is questionable whether it constitutes a new and valid designation for the species so misidentified.

Genus **STACHYRIS** Blyth**Stachyris nigriceps** Blyth.

Grey-throated Babbler.

[**Stachyris nigriceps nigriceps** Blyth.*Stachyris nigriceps* Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 378 : Nepal.*Distr.*—Extra-limital.]**Stachyris nigriceps davisoni** Sharpe.*Stachyris davisoni* Sharpe, Bull. Brit. Orn. Cl. i, 1892, p. 7 : Pahang.*Stachyris nigriceps dipora* Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922, p. 7 : Trang, Peninsular Siam.*Stachyris natunensis* Hart., Nov. Zool. i, 1894, p. 470 : Bunguran Island, North Natuna Islands.*Distr.*—Malay Peninsula.

North Natuna Islands.

Stachyris nigriceps tionis Rob. and Kloss.*Stachyris nigriceps tionis* Robinson and Kloss, Journ. Fed. Malay States Mus. xiii, 1926, p. 211 : Tioman Island.*Distr.*—Tioman Island, east coast, Malay Peninsula.**Stachyris nigriceps borneensis** Sharpe.*Stachyris borneensis* Sharpe, Ibis, 1887, p. 449 : Mt. Kinabalu, North Borneo.*Stachyris larvata vermiculata*^{*} Harrison and Hartley, Bull. B. O. Cl. liv, 1934, p. 153 : Mt. Dulit, Sarawak.*Distr.*—Borneo (not West Sarawak).**Stachyris nigriceps hartleyi** Chas.*Stachyris nigriceps hartleyi* Chasen, Bull. Raffles Mus. 10, 1935, p. 43 : Mt. Poi, West Sarawak.*Distr.*—West Sarawak (Mts. Penrissen and Poi), Borneo.**Stachyris nigriceps larvata** (Bp.).*Timalia larvata* Bonaparte, Consp. Gen. Avium, 1850, p. 217 : Sumatra.*Distr.*—Sumatra; Lingga Archipelago.

^{*} Eleven topotypes of "*vermiculata*" seem absolutely inseparable from thirty new skins of *borneensis* from Mt. Kinabalu. As in other birds of this group new skins are slightly more olive and rusty in colour than older specimens, and very old skins are useless for comparison. Some dated 1899 are altered beyond all subspecific recognition.

Stachyris poliocephala (Temm.). Grey-headed Babbler.

Stachyris poliocephala poliocephala (Temm.).

Timalia poliocephala Temminck, Pl. Col. 593, fig. 2, 1836 :
Bencoolen, West Sumatra.

Stachyris poliocephala diluta Robinson and Kloss, Ibis, 1918, p. 587 :
Taiping, Perak, Malay States.

Distr.—Malay Peninsula.
Sumatra (part).
Borneo.

Stachyris poliocephala pulla Kloss.

Stachyris poliocephala pulla Kloss, Treubia, xiii, 1931, p. 348 :
Deli, North-east Sumatra.

Distr.—Sumatra (north-east).

Stachyris grammiceps (Temm.). Javan White-breasted Babbler.

Myiothera grammiceps Temminck, Pl. Col. 448, fig. 3, 1828 : West
Java.

Timalia grammicephala Bp., Consp. Gen. Av. 1850, p. 217 : West Java.

Distr.—Java (west).

Stachyris nigricollis (Temm.). Black-necked Babbler.

Stachyris nigricollis nigricollis (Temm.).

Timalia nigricollis Temminck, Pl. Col. 594, fig. 2, 1836 : Borneo.

Distr.—Borneo.
Sumatra.¹

Stachyris nigricollis erythronotus (Blyth).

Timalia erythronotus Blyth, Journ. Asiat. Soc. Bengal, xi, 1842,
p. 793 : Singapore Island.

Brachypteryx nigrogularis Eyton, Ann. and Mag. Nat. Hist. xvi, 1845,
p. 228 : Malacca.

Distr.—Malay Peninsula.

Stachyris leucotis (Strickl.). White-eared Babbler.

Stachyris leucotis leucotis (Strickl.).

Timalia leucotis Strickland, Contr. Orn. 1848, p. 63, pl. 12 :
Malacca.

Distr.—Malay Peninsula.

Stachyris leucotis goodsoni Hart.

Stachyris leucotis goodsoni Hartert, Bull. Brit. Orn. Cl. xxxvi,
1915, p. 7 : Mt. Mulu, Sarawak.

Distr.—Borneo.

¹ Racial identity of the Sumatran form not absolutely certain.

Stachyris maculata (Temm.). Red-rumped Babbler.

Stachyris maculata maculata (Temm.).

Timalia maculata Temminck, Pl. Col. 593, fig. 1, 1836: Borneo.

Distr.—Borneo.

Stachyris maculata pectoralis Blyth.¹

Timalia pectoralis Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 793: Singapore Island.

Malacopteron squamatum Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 228: Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago.

***Stachyris maculata banjakensis** Richm.

Stachyris banjakensis Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 190: Tuanku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Stachyris maculata hypopyrrha** Oberh.

Stachyris maculata hypopyrrha Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 9: Pinie Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Stachyris striolata (S. Müll.).

Spotted Babbler.

Stachyris striolata striolata (S. Müll.).

Timalia striolata Sal. Müller, Tijds. Nat. Gesch. Phys. 1838, p. 346: Padang Residencies, West Sumatra.

Distr.—Sumatra (west).

Stachyris striolata umbrosa (Kloss).

Thringorhina striolata umbrosa Kloss, Journ. Fed. Mal. States Mus. x, 1921, p. 212: Deli, North-east Sumatra.

Distr.—Sumatra (north-east).

Stachyris striolata guttata (Blyth).

Turdinus guttatus Blyth, Journ. Asiat. Soc. Bengal, xxviii, 1859, p. 414: Tenasserim.

Distr.—Peninsular Siam.

Stachyris thoracica (Temm.).

White-collared Babbler.

Stachyris thoracica thoracica (Temm.).

Pitta thoracica Temminck, Pl. Col. 76, 1822: West Java.

Distr.—Sumatra.

Java (west).

¹ When birds from the Malay Peninsula and Borneo are compared, the differences are so slight that they are scarcely worth recognition, but specimens from the Rhio Archipelago and Sumatra average very dark on the ear-coverts. No exact topotypes from Singapore have been examined.

Stachyris thoracica orientalis Rob.

Stachyris orientalis Robinson, Journ. Fed. Mal. States Mus. vii, 1918, p. 236: Idjen Massif, East Java.

Distr.—Java (east).

Stachyris chrysæa Blyth.

Golden-headed Babber.

[Stachyris chrysæa chrysæa Blyth.

Stachyris chrysæa Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 379: Nepal.

Distr.—Extra-limital.]

Stachyris chrysæa chrysops Richm.

Stachyris chrysops Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 157: Trang, Peninsular Siam.

Distr.—Malay Peninsula.

Stachyris chrysæa frigida (Hartl.).¹

Zosterops (Heleia) frigida Hartlaub, Journ. f. Ornith. 1865, p. 27: West Sumatra.

Stachyris bocagei Salvad., Ann. Mus. Civ. Gen. xiv, 1879, p. 223: Padang Highlands, West Sumatra.

Distr.—Sumatra.

Genus **CYANODERMA** Salvadori.**Cyanoderma erythroptera** (Blyth).

Red-winged Babbler.

Cyanoderma erythroptera erythroptera (Blyth).²

Timalia erythroptera Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 794: Singapore Island.

Brachypteryx acutirostris Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 228: Malacca.

Timalia pyrrhoptera Bp., Consp. Gen. Av. i, 1850, p. 217: nom. nov.

Cyanoderma erythroptera neocara Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 66: Bunguran Island, North Natuna Islands.

Distr.—Malay Peninsula; Tioman Island.

Sumatra (southern half).

North Natuna Islands.

Cyanoderma erythroptera pyrrhophæa (Hartl.).

Timalia pyrrhophæa Hartlaub, Rev. Mag. Zool. 1844, p. 402: Sumatra (Rob. and Kloss, 1920).

Cyanoderma erythroptera eripella Oberh., Smiths. Misc. Coll. lxxiv, 1922, p. 2: Upper Siuk River, East Sumatra.

Distr.—Sumatra (northern half).

² *Cyanoderma e. sordida* Baker, Bull. B. O. Cl. xxxviii, 1917, p. 10 from Patiyyu, S. W. Siam appears inseparable.

¹ Cf. Delacour, Bull. B. O. Cl. lv, 1934, p. 121.

***Cyanoderma erythroptera apega** Oberh.

Cyanoderma erythroptera apega Oberh., Smiths. Misc. Coll. lxxiv, 2, 1922, p. 8: Banka Island.

Distr.—Banka; Billiton.

Cyanoderma erythroptera bicolor (Blyth).

Timalia bicolor Blyth, Ibis, 1865, p. 46: Labuan.

Cyanoderma labuanensis Collin and Hartert, Nov. Zool. xxxiv, 1927, p. 51: nom. nov.¹

Distr.—Borneo (not south); Banguay Island, North Borneo.

Cyanoderma erythroptera rufa Chas. and Kloss.

Cyanoderma erythroptera rufa Chasen and Kloss, Bull. Brit. Orn. Cl. xlviii, 1927, p. 47: Sampit, South Borneo.

Distr.—Borneo (south).

***Cyanoderma erythroptera fulviventris** Richm.

Cyanoderma fulviventris Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 507: Tuangku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Cyanoderma erythroptera pella** Oberh.

Cyanoderma erythropteron pellum Oberholser, Smiths. Misc. Coll. ix, No. 7, 1912, p. 9: Tana Masa Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Cyanoderma melanothorax (Temm.). Pearl-cheeked Babbler.**Cyanoderma melanothorax melanothorax** (Temm.).²

Myiothera melanothorax Temminck, Pl. Col. 185, 1823: Mt. Gede, West Java.

Distr.—Java (Mts. Gedeh and Pangerano, West Java).

Cyanoderma melanothorax albigula Stres.

Cyanoderma melanothorax albigula Stresemann, Orn. Monatsbr. xxxviii, 1930, p. 148: Mt. Papandajan, West Java.

Distr.—Java (Mt. Papandajan, West Java).

Cyanoderma melanothorax mendeni Naum.

Cyanoderma melanothorax mendeni Naumann, Bull. Brit. Orn. Cl. lv, 1935, p. 137: Indromaju, north coast of West-central Java.

Distr.—West-central Java.

¹ An unnecessary renaming as Lafresnaye's combination is French and not binomial.

² I cannot trace *Timalia poliopsis* Vord., 1886, given by Kuroda (1933) as a synonym.

Cyanoderma melanothorax intermedia (Rob.).

Stachyris melanothorax intermedia Robinson, Journ. Fed. Malay States Mus. vii, 1918, p. 236: Mt. Idjen, East Java.

Distr.—Java (east).

Cyanoderma melanothorax baliensis Hart.

Cyanoderma melanothorax baliensis Hartert, Bull. Brit. Orn. Cl. xxxvi, 1915, p. 2: Bali.

Distr.—Bali.

Cyanoderma rufifrons (Hume).

Hume's Babbler.

[*Cyanoderma rufifrons rufifrons* (Hume).

Stachyris rufifrons Hume, Stray Feathers, i, 1873, p. 479: Pegu.

Distr.—Extra-limital.]¹

Cyanoderma rufifrons poliogaster (Hume).

Stachyris poliogaster Hume, Stray Feathers, ix, 1880, p. 116: Johore, Malay Peninsula.

Distr.—Malay States.

Sumatra.

Borneo.

Genus **MIXORNIS** Blyth.

Mixornis gularis (Horsf.).²

Yellow-breasted Babbler.

Mixornis gularis gularis (Horsf.).

Timalia gularis Horsfield, Zool. Res. in Java, 1822: Sumatra.

Prinia pileata Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 204: Malacca.

Mixornis sumatrana Bp., Consp. Gen. Av. 1850, p. 217: Sumatra.

Distr.—Malay Peninsula (north to Patani).

Sumatra; Rhio and Lingga Archipelagos.

Mixornis gularis connectens Kloss.

Mixornis rubricapilla connectens Kloss, Ibis, 1918, p. 207: Peninsular Siam, Lat. 10° N.

Mixornis gularis chersonesophila Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 3: Trang, Peninsular Siam.

Distr.—Malay Peninsula (south to about Penang).

Mixornis gularis zophera Oberh.

Mixornis pileata zophera Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 49: Telaga Island, Anamba Islands.

Distr.—Anamba Islands.

¹ This race, or *S. r. obscura* Baker (if distinct) from Peninsular Siam, Lat 11° N. may occur in Malaysia.

² Cf. Rob., Journ. F.M.S. Mus. vii, 1917, p. 176; Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 71; Delacour, Bull. Brit. Orn. Cl. lv, 1935, p. 99.

Mixornis gularis everetti Hart.

Mixornis everetti Hartert, Nov. Zool. i, 1894, p. 472: Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

***Mixornis gularis zaperissa** Oberh.

Mixornis rubricapilla zaperissa Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 68: Lingung Island, North Natuna Islands.

Distr.—Laut, Kombeh and Lingung Islands, North Natuna Islands.

***Mixornis gularis zarhabdota** Oberh.

Mixornis pileata zarhabdota Oberholser, Smiths. Misc. Coll. 1x, 1912, p. 9: Bangkaru Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Mixornis pileata zaptera** Oberh.

Mixornis pileata zaptera Oberh., Smiths. Misc. Coll. 1x, No. 7, 1912, p. 9: Tana Masa Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Mixornis gularis bornensis Bp.

Mixornis bornensis Bonaparte, Consp. Gen. Avium, 1850, p. 217: Borneo.

Mixornis similis Blyth, Ibis, 1865, p. 47: Borneo.

Distr.—Borneo (not north).

Mixornis gularis montana Sharpe.

Mixornis montana Sharpe, Ibis, 1887, p. 448: Mt. Kinabalu, North Borneo.

Distr.—Borneo (north).²

Mixornis gularis argentea Chas. and Kloss.

Mixornis gularis argentea Chasen and Kloss, Bull. Raffles Mus. 4, 1930, p. 82: Mallewallé Island, North Borneo.

Distr.—North Bornean Islands.

***Mixornis gularis pontia** Oberh.

Mixornis bornensis pontia Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 6: Pulau Laut, South-east Borneo.

Distr.—Pulau Laut, South-east Borneo.

¹ The white throat shows that this is *bornensis*, not *gularis*.

² Not really a mountain form. The type came from an altitude of about 1,000 feet and the subspecies occurs in the lowlands of North Borneo, near the sea.

***Mixornis gularis ruficoma** Oberh.

Mixornis bornensis ruficoma Oberholser, Smiths. Misc. Coll. lxxiv, 2, 1922, p. 6: Banka Island.

Distr.—Banka Island; Billiton.

Mixornis gularis javanica Cab.

Mixornis javanica Cabanis, Mus. Hein. i, 1850, p. 77, footnote: Java.

Distr.—Java.

Mixornis flavicollis Bp. Bonaparte's Yellow-breasted Babbler.

Mixornis flavicollis flavicollis Bp.

Mixornis flavicollis Bonaparte, Consp. Gen. Avium, 1850, p. 217: Java.

Distr.—Java.

Mixornis flavicollis prillwitzii Hart.

Mixornis prillwitzii Hartert, Bull. Brit. Orn. Cl. xii, 1901, p. 32: Kangean Island, Java Sea.

Distr.—Kangean Islands.

Genus **KENOPIA** Blyth.

Kenopia striata (Blyth). Striped Babbler.

Timalia striata Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 793: Singapore Island.

Brachypteryx maculatus Eyton, Ann. Mag. Nat. Hist. xvi, 1845, p. 228: Malacca.

Turdirostris leucostigma Bp., Consp. Gen. Avium, 1850, p. 218: Borneo (nom. nud.).

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Genus **MACRONUS** Jardine and Selby.

Macronus ptilosus Jard. and Selb. Fluffy-backed Babbler.

Macronus ptilosus ptilosus Jard. and Selb.

Macronus ptilosus Jardine and Selby, Ill. Orn. 1835, pl. 150: Malacca.

Timalia trichorrhos Temm., Pl. Col. 594, 1836: Sumatra (*Hartert, 1915*).

Distr.—Malay Peninsula.

Sumatra; Banka.

Macronus ptilosus reclusus Hart.

Macronus ptilosus reclusus Hartert, Bull. Brit. Orn. Cl. xxxvi, 1915, p. 36: Sarawak.

Distr.—Borneo; Billiton.

Genus **HETEROPHASIA** Blyth.

Heterophasia picaoides (Hodgs.). Long-tailed Sibia.

[**Heterophasia picaoides picaoides** (Hodgs.).

Sibia Picaoides (sic) Hodgson, Journ. Asiat. Soc. Bengal, viii, 1839,
p. 38: Nepal.

Distr.—Extra-limital.]

Heterophasia picaoides wrayi (O.-Grant).

Sibia wrayi Ogilvie-Grant, Bull. Brit. Orn. Cl. xxv, 1910, p. 98:
Batang Padang Mountains, Perak.

Distr.—Malay States.

Heterophasia picaoides simillima Salvad.

Heterophasia simillima Salvadori, Ann. Mus. Civ. Gen. xiv, 1879,
p. 232: Padang Highlands, West Sumatra.

Distr.—Sumatra.

Genus **STAPHIDA** Swinhoe.

Staphida castaniceps (Horsf. and Moore). Chestnut-headed Babbler.

[**Staphida castaniceps castaniceps** (Horsf. and Moore).

Ixulus castaniceps Horsfield and Moore, Cat. Birds Mus. East Ind.
Coy. i, 1854, p. 411: Afghanistan error = Khasia Hills.

Distr.—Extra-limital.]

Staphida castaniceps everetti Sharpe.

Staphidia everetti Sharpe, Ibis, 1887, p. 447: Mt. Kinabalu, North
Borneo.

Distr.—Borneo.

Genus **SIVA** Hodgson.

Siva strigula Hodgs.¹ Chestnut-tailed Siva.

[**Siva strigula strigula** Hodgs.

Siva strigula Hodgson, Ind. Review, 1838, p. 89: Nepal.

Distr.—Extra-limital.]

Siva strigula malayana Hart.

Siva strigula malayana Hartert, Nov. Zool. iv, 1902, p. 567: Mt.
Tahan, Pahang.

Siva strigula omissa Roths., Nov. Zool. xxviii, 1921, p. 40: Mt. Kerbau,
Perak.

Distr.—Malay States.

¹ Cf. Meinert., Bull. B. O. C. xlv, 1926, p. 128.

Siva cyanouroptera Hodgs.

Dull Siva.

[**Siva cyanouroptera cyanouroptera** Hodgs.

Siva cyanouroptera Hodgson, Ind. Review, 1838, p. 88 : Nepal.

Distr.—Extra-limital.]

Siva cyanouroptera sordidior Sharpe.

Siva sordidior Sharpe, Proc. Zool. Soc. 1888, p. 276 : Batang Padang Mts., Perak.

Distr.—Malay Peninsula.

Genus **ERPORNIS** Blyth.

Erpornis zantholeuca Blyth.

White-bellied Babbler.

[**Erpornis zantholeuca zantholeuca** Blyth.

Erpornis zantholeuca Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p. 380 : Nepal.

Distr.—Extra-limital.]

Erpornis zantholeuca interposita Hart.

Herpornis xantholeuca interposita Hartert, Bull. Brit. Orn. Cl. xxxviii, 1917, p. 20 : Upper Perak.

Distr.—Malay Peninsula.

Erpornis zantholeuca brunnescens Sharpe.

Herpornis brunnescens Sharpe, Ibis, 1876, p. 41 : Sarawak.

Distr.—Borneo.

Genus **CUTIA** Hodgson.

Cutia nipalensis Hodgs.

Cutia.

[**Cutia nipalensis nipalensis** Hodgs.

Cútia Nipalensis Hodgson, Journ. Asiat. Soc. Bengal, v, 1836, p. 773 : Nepal.

Distr.—Extra-limital.]

Cutia nipalensis cervinocrissa Sharpe.

Cutia cervinocrissa Sharpe, Proc. Zool. Soc. 1888, p. 276 : Mt. Batu Puteh, Perak.

Distr.—Malay States.

Genus **PTERUTHIUS** Swainson.

Pteruthius flaviscapis (Temm.).

Greater Shrike-Babbler.

Pteruthius flaviscapis flaviscapis (Temm.).

Allotrius flaviscapis Temminck, Pl. Col. 589, 1836 : Java.

Distr.—Java.

Pteruthius flaviscapis aeralatus Tick.

Pteruthius aeralatus Tickell, Journ. Asiat. Soc. Bengal, xxiv, 1855, p. 267 : Tenasserim.

Distr.—Malay Peninsula.¹

Pteruthius flaviscapis cameranoi Salvad.

Pteruthius cameranoi Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 232 : Padang Highlands, Sumatra.

Distr.—Sumatra.

Pteruthius flaviscapis robinsoni Chas. and Kloss.

Pteruthius flaviscapis robinsoni Chasen and Kloss, Bull. Raffles Mus. 5, 1931, p. 86 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Pteruthius ænobarbus (Temm.).

Lesser Shrike-Babbler.

Pteruthius ænobarbus ænobarbus (Temm.).

Allotrius ænobarbus Temminck, Pl. Col. 589, 1836 : West Java.

Distr.—Sumatra.²

Java (west).

Pteruthius ænobarbus tahanensis Hart.

Pteruthius tahanensis Hartert, Nov. Zool. ix, 1902, p. 576 : Mt. Tahan, Pahang.

Distr.—Malay States.

Genus **MESIA** Hodgson.**Mesia argenteauris** Hodgs.

Silver-eared Mesia.

[Mesia argenteauris argenteauris Hodgs.

Mesia argenteauris Hodgson, Indian Review, 1838, p. 88 : Nepal.

Distr.—Extra-limital.]

Mesia argenteauris tahanensis Yen.³

Mesia argenteauris tahanensis "Robinson", Yen, Science Journ. (Sun Yat-Sen University) vi, 2, 1934, p. 63 : Mt. Tahan, Malay Peninsula.

Distr.—Malay Peninsula.

Mesia argenteauris laurinae (Salvad.).

Leiothrix laurinae Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 231 : Padang Highlands, Sumatra.

Distr.—Sumatra.

¹ Some specimens from the Malay States are *aeralatus* > *cameranoi*: a female from the Lampongs, S. Sumatra (Buit. Mus.) is much paler below than Korinchi birds.

² I have some doubts as to whether this species really occurs in Sumatra.

³ Many years ago Hartert noticed the characters of this form. Robinson wrote the above name on the box of Malayan specimens in the British Museum, but never published the name. Mr. Yen in his "Etude des Genres du Groupe *Siva-Leiothrix*" (original publication not seen by me, but details supplied by Mr. N. B. Kinnear) has, apparently unconsciously, described the bird.

Family TROGLODYTIDÆ.

Genus **PNOEPYGA** Hodgson.**Pnoepyga pusilla** Hodgs. Scaly-breasted Wren.**Pnoepyga pusilla pusilla** Hodgs.*Pnoepyga pusilla* Hodgson, Proc. Zool. Soc. 1845, p. 25 : Nepal.*Distr.*—Peninsular Siam.¹**Pnoepyga pusilla harterti** Rob. and Kloss.*Pnoepyga pusilla harterti* Robinson and Kloss, Journ. Fed. Malay States Mus. viii, pt. 2, 1918, 205 : Mt. Ijau, Perak.*Distr.*—Malay States.**Pnoepyga pusilla lepida** Salvad.*Pnoepyga lepida* Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 227 : Padang Highlands, West Sumatra.*Distr.*—Sumatra.**Pnoepyga pusilla rufa** Sharpe.*Pnoepyga rufa* Sharpe, Cat. Birds Brit. Mus. vi, 1881, p. 304 : Java.*Distr.*—Java.Genus **TESIA** Hodgson.**Tesia cyaniventer** Hodgs. Slaty-bellied Wren.[*Tesia cyaniventer cyaniventer* Hodgs.]*Tesia cyaniventer* Hodgson, Journ. Asiat. Soc. Bengal, vi, 1837, p. 101 : Nepal.*Distr.*—Extra-limital.]**Tesia cyaniventer superciliaris** (Bp.).*Microura superciliaris* Bonaparte, Consp. Gen. Avium, i, 1850, p. 258 : Java.*Brachypteryx lepturus* Gray, Handlist Birds, i, 1869, p. 312 : Java (nom. nud.).*Distr.*—Java.**Tesia whiteheadi** (Sharpe).²

Whitehead's Wren.

Orthnocichla whiteheadi Sharpe, Ibis, 1888, p. 478 : Mt. Kinabalu, North Borneo.*Distr.*—Borneo.¹ The form occurring in the mountains of Peninsular Siam seems not to be *harterti* of the Malay States. It is, no doubt, separable from *P. pusilla*, but the available material is too poor to justify further study.² Nearer to *T. subulata* of Timor and Flores, than to any continental form.

Family TURDIDÆ.¹Genus BRACHYPTERYX² Horsfield.

Brachypteryx leucophris (Temm.). Lesser Short-wing.

Brachypteryx leucophris leucophris (Temm.).

Myiothera leucophris Temminck, Pl. Col. 448, 1827: Java.

Distr.—Peninsular Siam.

Sumatra.

Java; Bali.

Brachypteryx leucophris wrayi O.-Grant..

Brachypteryx wrayi O.-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 10:
Mt. Batu Puteh, Perak.

Distr.—Malay States.

Brachypteryx montana Horsf. Greater Short-wing.

Brachypteryx montana montana Horsf.

Brachypteryx montana Horsfield, Trans. Linn. Soc. xiii, 1821, p.
157: Java.

Distr.—Java.

Brachypteryx montana saturata Salvad.

Brachypteryx saturata Salvadori, Ann. Mus. Civ. Gen. xiv, 1879,
p. 225: Padang Highlands, Sumatra.

Distr.—Sumatra.

Brachypteryx montana erythrogyna Sharpe.

Brachypteryx erythrogyna Sharpe, Ibis, 1888, p. 389: Mt. Kinabalu,
North Borneo.

Distr.—Borneo.

Genus LUSCINIA Forster.

Luscinia cyane (Pall.). Siberian Blue Chat.

Luscinia cyane cyane (Pall.).

Motacilla Cyane Pallas, Reise Prov. Russ. Reichs., iii, 1776, p.
697: East Siberia.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

¹ In the absence of an authenticated specimen *Phoenicurus leucoptera* Blyth (Journ. As. Soc. Bengal, xii, 1843, p. 962) is not accepted for the Malay Peninsula.

² What is *Brachypteryx flaviventris* Salvad., Ann. Mus. Civ. Gen. xiv, 1879, p. 226, based on a single female from Mt. Singgalang, Padang Highlands, Sumatra?

Genus **SAXICOLA** Bechstein.

Saxicola torquata (Linn.). Stone-Chat.

[**Saxicola torquata torquata** (Linn.).

Muscicapa torquata Linn., Syst. Nat. 12th. ed. i, 1766, p. 328:
Cape of Good Hope.

Distr.—Extra-limital.]

Saxicola torquata stejnegeri (Parrot).

Pratincola rubicola stejnegeri Parrot, Verh. Orn. Ges. Bayern, viii,
1908, p. 124: North Japan.

Distr.—Malay Peninsula.
Borneo.

Saxicola caprata (Linn.). Black Stone-Chat.¹

[**Saxicola caprata caprata** (Linn.).

Motacilla Caprata Linn., Syst. Nat. 12th. ed. i, 1766, p. 335:
Luzon, Philippine Islands.

Distr.—Extra-limital.]

Saxicola caprata pyrrhonota (Vieill.).

Oenanthe pyrrhonota Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xxi,
1818, p. 428: Timor.

Saxicola fruticola Horsf., Trans. Linn. Soc. xiii, p. 157, 1821: Java.

Distr.—Borneo (? subsp.).²
Java; Bali.

Genus **ENICURUS** Temminck.

Enicurus leschenaulti (Vieill.). White-crowned Forktail.

Enicurus leschenaulti leschenaulti (Vieill.).

Turdus Leschenaulti Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xx,
1818, p. 269: Java.

Enicurus coronatus Temm., Pl. Col. 113, 1824: Java.

Motacilla speciosa Horsf., Trans. Linn. Soc. xiii, 1820, p. 155: Java.

Distr.—Java; Bali.

Enicurus leschenaulti frontalis Blyth.

Enicurus frontalis Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p.
156: Malacca.

Distr.—Malay Peninsula.

Sumatra; Nias Island; West Sumatra.
Borneo.

¹ Revision: Stres., Nov. Zool. xix, 1912, p. 319.

² Blasius has recorded *caprata* from Borneo: there is no reliable record of any form from the Malay Peninsula.

TURDIDÆ.

Enicurus leschenaulti borneensis Sharpe.

Henicurus borneensis Sharpe, Ibis, 1889, p. 277: Mt. Kinabalu, North Borneo.

Distr.—Borneo (mountains).

Enicurus ruficapillus Temm.

Chestnut-backed Forktail.

Enicurus ruficapillus Temminck, Pl. Col. 534, 1832: Palembang, Sumatra.

Enicurus diadematus S. Müll., Tijds. Nat. Gesch. Phys. 1835, p. 346: Sumatra.

Henicurus rufidorsalis Sharpe, Ibis, 1879, p. 255: Lawas River, Sarawak.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Enicurus schistaceus Hodgs.

Slaty-backed Forktail.

Enicurus schistaceus Hodgson, Asiat. Res. xix, 1836, p. 189: Nepal.

Distr.—Malay States.

Enicurus velatus Temm.

Small Forktail.

Enicurus velatus velatus Temm.

Enicurus velatus Temminck, Pl. Col. 160, 1823: Java.

Distr.—Java.

Enicurus velatus sumatranus Rob. and Kloss.

Henicurus velatus sumatranus Robinson and Kloss, Journ. Fed. Malay States Mus. xi, 1923, p. 56: Korinchi, Sumatra.

Distr.—Sumatra.

Genus **MUSCISYLVA** Hodgson.

Muscisylvia leucura Hodgs.

White-tailed Blue Robin.

Muscisylvia leucura leucura Hodgs.

Muscisylvia leucura Hodgson, Proc. Zool. Soc. 1845, p. 27: Nepal.

Distr.—Malay States.¹

Muscisylvia diana (Less.).

Sunda Island Blue Robin.

Muscisylvia diana diana (Less.).

Lanius (*Notodela*) *diana* Lesson, in Bélanger, Voy. Inde; Zool., 1834, p. 246, Oiseaux pl. 3: Pegu error=Java.

Brachypteryx albifrons Bp., Consp. Gen. Avium, 1850, p. 257: Java.

Brachypteryx salaccensis Vorderm., Nat. Tijdschr. Ned. Ind. xlv, 1886, p. 336: Java.

Distr.—Java.

¹ Perhaps separable from the typical race on account of small size.

Muscisylvia diana sumatrana (Rob. and Kloss).

Notodela diana sumatrana Robinson and Kloss, Journ. Fed. Malay States Mus. viii, pt. 2, 1918, p. 215: Korinchi, Sumatra.

Distr.—Sumatra.

Genus **COPSYCHUS** Wagler.

Copsychus saularis (Linn.).¹

Straits Robin.

[**Copsychus saularis saularis** (Linn.).

Gracula Saularis Linn., Syst. Nat. 10th. ed. 1758, p. 109: Bengal.

Distr.—Extra-limital.]

Copsychus saularis musicus (Raffl.).

Lanius musicus Raffles, Trans. Linn. Soc. xiii, 1822, p. 307: Bencoolen, West Sumatra.

Copsychus saularis ephalus Oberholser, Smiths. Misc. Coll. lxxvi, No. 6, 1923, p. 2: Tarussan Bay, North-west Sumatra.

Distr.—Malay Peninsula;² Tioman Island.
Sumatra; Rhio Archipelago, Billiton.

***Copsychus saularis nesiotes** Oberh.

Copsychus saularis nesiotes Oberholser, Smiths. Misc. Coll. lxxvi, No. 6, 1918, p. 3: Banka Island.

Distr.—Banka Island.

***Copsychus saularis zacnecus** Oberh.

Copsychus saularis zacnecus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 12: Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Copsychus saularis nesiarchus** Oberh.

Copsychus saularis nesiarchus Oberholser, Smiths. Misc. Coll. lxxvi, No. 6, 1912, p. 3: Nias Island.

Distr.—Nias Island, West Sumatra.

Copsychus saularis pagiensis Richm.

Copsychus saularis pagiensis Richmond, Proc. Biol. Soc. Wash. xxv, 1912, p. 105: North Pagi Island, West Sumatra.

Distr.—Siberut, Sipora and Pagi Islands, West Sumatra.

Copsychus saularis problematicus Sharpe.

Copsychus problematicus Sharpe, Ibis, 1876, p. 36: Sibu, Sarawak.

Distr.—Borneo (west).

¹ Cf. Stres., Journ. f. Orn. 1924, p. 252; Chas. and Kl., Bull. Raff. Mus. 4, 1930, p. 84.

² The Malayan bird is not strictly identical with *musicus*, but is *saularis* > *musicus* although even the form occurring in Peninsular Siam is nearer to *musicus* than to *saularis*.

Copsychus saularis niger Wardl. Rams.

Copsychus niger Wardlaw Ramsay, Proc. Zool. Soc. 1886, p. 123 :
Sandakan, North Borneo.

Distr.—Borneo (north).

Copsychus saularis pluto Bp.

Copsychus pluto Bonaparte, Consp. Gen. Avium, i, 1850, p. 267 :
Samarinda, East Borneo.

Distr.—Borneo (east); Maratua Islands, East Borneo (? subsp.).

Copsychus saularis javensis Chas. and Kloss.

Copsychus saularis javensis Chasen and Kloss, Bull. Raffles Mus. 4,
1930, p.p. 87 and 89 : Wynkoops Bay, South-west Java.

Distr.—Java (west).

Copsychus saularis amœnus (Horsf.).¹

Turdus amœnus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 147 :
Java.

Gryllivora brevirostra Swains., Anim. in Menag, 1837, p. 292 : Java.

Distr.—Java (east); Bali.

Genus **KITTACINCLA** Gould.

Kittacincla malabarica (Scop.).²

Shama.

[*Kittacincla malabarica malabarica* (Scop.).

Muscicapa malabarica Scopoli, Del. Faun. et Flor. Insubr. ii, 1786,
p. 96 : Malabar, South-west India.

Distr.—Extra-limital.]

Kittacincla malabarica interposita Rob. and Kloss.

Kittacincla malabarica interposita Robinson and Kloss,³ Journ. Fed.
Malay States Mus. x, 1922, p. 262 : Daban, South Annam.

Distr.—Peninsular Siam (part).

Kittacincla malabarica mallopercna Oberh.

Kittacincla malabarica mallopercna Oberholser, Smiths. Misc. Coll.
lxxvi, 6, 1923, p. 5 : Singkep Island.

Distr.—Malay Peninsula.

Rhio and Lingga Archipelagos.

¹ The distribution of the various forms of *Copsychus* in Borneo and Java is complicated and the bird is unstable in several large areas : we have tried to appreciate the subspecific ranges in Bull. Raff. Mus. 4, 1930, pp. 84—90.

² Revision : Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 82.

³ Oberholser restricts the range of *interposita* considerably and considers that at least the northern and middle portions of the Malay Peninsula are occupied by *pellogyna* Oberh. described from Tenasserim.

Kittacincla malabarica tricolor (Vieill.).¹

Turdus tricolor Vieillot, Nov. Dict. d'Hist. Nat. xxx, 1818, p. 291 :
Isles de la mer du Sud=West Java (*Rob. and Kloss, 1921*).

Distr.—Sumatra.

Karimata Islands.

Java (west).

Kittacincla malabarica javana Kloss.

Kittacincla malabarica javana Kloss, Journ. Fed. Malay States Mus.
x, 1921, p. 210 : Karangbolong, mid Java.

Distr.—Java (central).

Kittacincla malabarica omissa Hart.

Kittacincla macrurus omissa Hartert, Nov. Zool. ix, 1902, p. 572 :
Lawang, East Java.

Distr.—Java (east).

Kittacincla malabarica ochroptila Oberh.

Kittacincla malabarica ochroptila Oberholser, Bull. U.S. Nat. Mus.
98, 1917, p. 51 : Siantan Island, Anamba Islands.

Distr.—Anamba Islands (part).

***Kittacincla malabarica heterogyna** Oberh.

Kittacincla malabarica heterogyna Oberholser, Bull. U.S. Nat. Mus.
98, 1917, p. 53 : Riabu Island, Anamba Islands.

Distr.—Anamba Islands (part).

Kittacincla malabarica eumesa Oberh.

Kittacincla malabarica eumesa Oberholser, Bull. U.S. Nat. Mus.
159, 1932, p. 81 : Bunguran Island, Natuna Islands.

Distr.—North Natuna Islands.

Kittacincla malabarica suavis (Scl.).

Copsychus suavis P. L. Sclater, Proc. Zool. Soc. 1861, p. 185 :
Bandjermasin, South Borneo.

Kittacincla malabarica saphotina Oberholser, Smiths. Misc. Coll. lxxvi,
1923, p. 6 : Central Borneo.

Distr.—Borneo (not north).

***Kittacincla malabarica abbotti** Oberh.

Kittacincla malabarica abbotti Oberholser, Smiths. Misc. Coll. lxxvi,
No. 6, 1923, p. 5 : Banka Island.

Distr.—Banka Island; Billiton Island.

¹ This race merges into *interposita* and we have used the name *malloperca* for birds from an intermediate area in which the racial characters are ill-defined.

Kittacincla malabarica opisthisa Oberh.

Kittacincla malabarica opisthisa Oberholser, Smiths. Misc. Coll. 1x
No. 7, 1912, p. 13: Tuanku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

***Kittacincla malabarica opisthopela** Oberh.

Kittacincla malabarica opisthopela Oberholser, Smiths. Misc. Coll.
1x, No. 7, 1912, p. 13: Tana Bala Island, Batu Islands.

Distr.—Batu Islands, West Sumatra

Kittacincla malabarica melanura Salvad.

Cittocinclla melanura Salvadori, Ann. Mus. Civ. Gen. (2) iv, 1887,
p. 549, pl. 8, fig. 1: Nias Island.

Kittacincla melanura hypolisa Oberh., Smiths. Misc. Coll. 1x, No. 7,
1912, p. 13: Simalur Island.

Kittacincla melanura opisthochra Oberh., Smiths. Misc. Coll. 1x, No. 7,
1912, p. 13: Lasia Island.

Kittacincla melanura pagensis Oberh., Smiths. Misc. Coll. lxxvi, No. 6,
1923, p. 3: North Pagi Island.

Distr.—West Sumatran Islands of Simalur, Lasia, Babi, Nias,
Siberut, Sipora and Pagi.

Kittacincla malabarica nigricauda Vord.

Cittacincla nigricauda Vorderman, Nat. Tijdschr. Ned. Ind. xlii,
1893, p. 197: Kangean Island.

Distr.—Kangean Islands; Mata Siri Island, Java Sea.

Kittacincla stricklandii (Motl. and Dillw.). White-crowned Shama.

Kittacincla stricklandii stricklandii (Motl. and Dillw.).

Copsychus Stricklandii Motley and Dillwyn, Nat. Hist. Labuan,
1855, p. 20, pl. 4: Labuan Island.

Distr.—Borneo (north).

Kittacincla stricklandii barbouri Bangs and Peters.

Kittacincla barbouri Bangs and Peters, Occ. Pap. Boston Soc. Nat.
Hist. v, 1927, p. 239: Maratua Island.

Distr.—Maratua Island, East Borneo.

Genus **TRICHIXOS** Lesson.

Trichixos pyropyga Less.

Orange-tailed Thrush.

Trichixos pyropyga Lesson, Rev. Mag. Zool. 1839, p. 167:
Sumatra.

Turdinus? supercilialis A. Hay, Madr. Journ. xiii, pt. 2, 1844, p. 163:
Malacca.

Myiolestes pyrrhonota Bp., Consp. Gen. Avium, i, 1850, p. 358: Borneo.

Distr.—Malay States.

Sumatra.

Borneo.

Genus **COCHOA** Hodgson.

Cochoa azurea (Temm.). Blue Thrush.

Cochoa azurea azurea (Temm.).

Turdus azureus Temminck, Pl. Col. 274, 1824: Java.

Distr.—Java.

Cochoa azurea beccarii Salvad.

Cochoa beccarii Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 228:
Padang Highlands, Sumatra.

Distr.—Sumatra.

Genus **MYOPHONUS**¹ Temminck.

Myophonus glaucinus (Temm.). Javan Whistling Thrush.

Pitta glaucina Temminck, Pl. Col. 194, 1823: Java.

Turdus cyaneus Horsf., (not Müll. 1776) Trans. Linn. Soc. xiii, 1821,
p. 149: Java.

Distr.—Java.

Myophonus castaneus Wardl. Rams. Brown-winged Whistling Thrush.

Myiophoneus castaneus Wardlaw Ramsay, Proc. Zool. Soc. 1880,
p. 16: West Sumatra.

Distr.—Sumatra.

Myophonus borneensis Slater. Bornean Whistling Thrush.

Myiophoneus borneensis H. H. Slater, Ibis, 1885, p. 123: Sarawak.

Distr.—Borneo.

Myophonus melanurus (Salvad.). Sumatran Whistling Thrush.

Arrenga melanura Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p.
227: Padang Highlands, Sumatra.

Distr.—Sumatra.

Myophonus robinsoni O.-Grant. Malayan Whistling Thrush.

Myiophoneus robinsoni Ogilvie-Grant, Bull. Brit. Orn. Cl. xv, 1905,
p. 69: Mt. Mengkuang Lebar, Selangor, Malay States.

Distr.—Malay States.

¹ We have left most of the forms of this genus under a specific name as in the present state of our knowledge it seems impossible to link them up any further. A recent occurrence of *crassirostris* in South-east Siam, within the range of *eugeni*, destroys our former conception of the grouping of the large yellow-billed forms. Robinson has united the yellow-billed *robinsoni* to *glaucina* (= *cyaneus*) a black-billed form of the "*Arrenga*" section, but this action is open to criticism and we now feel more than doubtful about *melanura* and *cyaneus* being forms of one species: the Sumatran form of *cyaneus* is more likely to be *castaneus*.

Myophonus flavirostris (Horsf.). Larger Whistling Thrush.

Myophonus flavirostris flavirostris (Horsf.).

Turdus flavirostris Horsfield, Trans. Linn. Soc. xiii, 1821, p. 149 : Java.

Myophonus metallicus Temm., Pl. Col. 170, 1823 : Java.

Distr.—Java.

Myophonus flavirostris dicrorhynchus Salvad.

Myophonus dicrorhynchus Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 227 : Padang Highlands, West Sumatra.

Distr.—Malay Peninsula (north to Patani).
Sumatra.

Myophonus flavirostris crassirostris Rob.

Myiophoneus crassirostris Robinson, Bull. Brit. Orn. Cl. xxv, 1910, p. 99 : Trang, Peninsular Siam.

Distr.—Malay Peninsula (south to Langkawi Islands).

Genus **TURDUS** Linn.

Turdus javanicus Horsf. Horsfield's Thrush.

Turdus javanicus javanicus Horsf.

Turdus Javanicus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 148 : Central Java, restr. Mt. Tjerimai.

Turdus nigricrisus Bp., Compt. Rend. xxxviii, 1854, p. 6 : Java.

Distr.—Java (central).

Turdus javanicus fumidus S. Müll.

Turdus (Merula) fumidus S. Müller, Verh. Nat. Gesch. Land en Volk. 1843, p. 201 : Mt. Gede, West Java.

Turdus hypopyrrhus Hartl., Verz. Brem. Samml. 1844, p. 43 : Java.

Turdus vulcanus Pelz., Reis Novara, Vögel, 1865, p. 70 : Java.

Distr.—Java (west, pt.).

Turdus javanicus biesenbachi Stresm.

Turdus javanicus biesenbachi Stresemann, Orn. Monatsbr. xxxviii, 1930, p. 149 : Mt. Papandajan, West Java.

Distr.—Java (west, pt.).

Turdus javanicus whiteheadi (Seeb.).

Merula whiteheadi Seeborn, Bull. Brit. Orn. Cl. i, 1893, p. 25 : Tosari, East Java.

Distr.—Java (east).

TURDIDÆ.

Turdus javanicus indrapuræ Rob. and Kloss.

Turdus indrapuræ Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. 73, 1916, p. 277 : Mt. Korinchi, Sumatra.

Distr.—Sumatra.

Turdus javanicus seebohmi (Sharpe).

Merula seebohmi Sharpe, Ibis, 1888, p. 386 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Turdus javanicus erythropleurus Sharpe.

Turdus erythropleurus Sharpe, Proc. Zool. Soc. 1887, p. 515 : Christmas Island.

Distr.—Christmas Island, Indian Ocean; Cocos-Keeling Islands (introduced).

Turdus obscurus Gmel.

Dusky Thrush.

Turdus obscurus obscurus Gm.

Turdus obscurus Gmelin, Syst. Nat. 1, 1789, p. 816 : Lake Baikal.

Turdus rufulus Drap., Dict. Class. Hist. Nat. x, 1826, p. 443 : Java.

Turdus modestus Eyton, Proc. Zool. Soc. 1839, p. 103 : Malacca.

Distr.—Malay Peninsula.

Sumatra; Billiton.

Borneo.

Java.

Genus **GEOKICHLA** S. Müller.

Geokichla sibirica (Pall.).

Siberian Ground-Thrush.

Geokichla sibirica sibirica (Pall.).

Turdus sibiricus Pallas, Reise Russ. Reichs. iii, 1776, p. 694 : Dauria.

Distr.—Malay States.

Sumatra; Nias Island, West Sumatra.

Borneo.

Java.

Geokichla sibirica davisoni (Hume).

Turdulus davisoni Hume, Stray Feathers, v, 1877, p. 63 : Mt. Muleyit, Tenasserim.

Distr.—Malay States.

Sumatra.

TURDIDÆ.

Geokichla interpres (Temm.). Temminck's Ground-Thrush.

Geokichla interpres interpres (Temm.).

Turdus interpres Temminck, Pl. Col. 458, 1828 : Java.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java.

***Geokichla interpres leucolaema** Salvad.

Geocichla leucolaema Salvadori, Ann. Mus. Civ. Gen. (2), xii, 1892, p. 135 : Engano Island.

Distr.—Engano Island, West Sumatra.

Geokichla citrina (Lath.). Grey-and-Orange Ground-Thrush.

Geokichla citrina citrina (Lath.).

Turdus citrinus Latham, Index Orn. i, 1790, p. 350 : Cachar.

Geocichla innotata (sic) Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 370 : Malay Peninsula (South).

Distr.—Malay Peninsula.

Sumatra.

Geokichla citrina aurata Sharpe.

Geocichla aurata Sharpe, Ibis, 1888, p. 478 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Geokichla citrina rubecula Gould.

Geocichla rubecula Gould, Proc. Zool. Soc. 1836, p. 7 : Java.

Distr.—Java; Bali.

Geokichla everetti Sharpe. Everett's Ground-Thrush.

Geocichla everetti Sharpe, Ibis, 1892, p. 323 : Mt. Dulit, North Sarawak.

Distr.—Borneo.

Genus **ZOOTHERA** Vigors.

Zoothera andromedæ (Temm.).

Myioihera andromedæ Temminck, Pl. Col. 392, 1826 : Java.

Distr.—Sumatra; Engano Island, West Sumatra.

Java (not east).

TURDIDÆ.

Genus **OREOCINCLA** Gould.

Oreocincla dauma (Lath.). Mountain-Thrush.

Oreocincla dauma dauma (Lath.).

Turdus Dauma Latham, Ind. Orn. 1, 1790, p. 362: India.

Distr.—Malay States.

Oreocincla dauma horsfieldi Bp.

Oreocincla horsfieldi Bonaparte, Rev. et Mag. Zool. 1857, p. 205: Java.

Oreocincla horsfieldi affinis Richmond, Proc. Biol. Soc. Wash. xv, 1902, p. 158: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Sumatra.

Java.

Genus **MONTICOLA** Boie.

Monticola solitaria (Linn.). Blue Rock-Thrush.

[**Monticola solitaria solitaria** (Linn.).

Turdus solitarius Linn., Syst. Nat. 10th. ed. 1758, p. 170: Italy.

Distr.—Extra-limital.]

Monticola solitaria pandoo (Sykes).

Petrocincla pandoo Sykes, Proc. Zool. Soc. 1832, p. 87: Ghauts, India.

Distr.—Malay Peninsula.

Sumatra.

Monticola solitaria philippensis¹ (P. L. S. Müll.).

Turdus Philippensis P. L. S. Müller, Natursystem, Anhang, 1776, p. 142: Philippine Islands.

Distr.—Malay Peninsula.

Borneo; North Natuna Islands.

Monticola gularis (Swinh.). Swinhoe's Rock-Thrush.

Monticola gularis (Swinh.).

Oræcetes gularis Swinhoe, Proc. Zool. Soc. 1862, p. 318: Peking.

Distr.—Malay Peninsula.

¹ We have used *philippensis* for those Malaysian birds with chestnut in the plumage, but all are "*affinis*" Blyth if this latter form is good (the "racial hybrids" of Lord Rothschild). The locality "Java" needs confirmation.

Family SYLVIIDÆ.

Genus **LOCUSTELLA** Kaup.

Locustella ochotensis (Midd.). Middendorff's Grasshopper-Warbler.

***Locustella ochotensis ochotensis** (Midd.).

Sylvia (Locustella) ochotensis Middendorff, *Siberische Reise*, ii, pt. 2, 1853, p. 185: Siberia.

Distr.—Borneo.

Locustella certhiola (Pall.).¹ Pallas's Grasshopper-Warbler.

Locustella certhiola subsp.

Motacilla certhiola Pallas, *Zoogr. Rosso-Asiat.* i, 1827, p. 509: Lake Baikal.

Calamodyta Doriae Salvad., *Att. R. Accad. Sci. Torino*, iii, 1868, p. 531: Sarawak.

Distr.—Malay Peninsula.

Sumatra.

Borneo; South Natuna Islands.

Java (west).

Locustella lanceolata (Temm.). Streaked Grasshopper-Warbler.

Sylvia lanceolata Temminck, *Man. d'Orn.* ed. 2, iv, 1840, p. 614: Russia.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java (west).

Genus **ACROCEPHALUS** Naumann.

Acrocephalus stentoreus (Hempr. & Ehrenb.)² Great Reed-Warbler.

[**Acrocephalus stentoreus stentoreus** (Hempr. and Ehrenb.).

Curruca stentorea Hemprich and Ehrenberg, *Symb. Phys., Aves*, fol. bb. 1833: Egypt.

Distr.—Extra-limital.]

¹ The only Malaysian specimens examined are from the Peninsula and the Natuna Islands. Dr. Stresemann has seen these and is tempted to call all *minor* (*L. minor*, Dav. and Oust., *Ois. Chine*, 1877, p. 250: Peking) except one Malayan *certhiola*. Meise refers a Javan bird to *L. c. sparsimstriata* Meise (Abh. Mus. f. Tierk. Völk. Dres. xviii, 1934, 2, p. 39. West Siberia) and Sushkin records *L. c. rubescens* Blyth (Calcutta) from Borneo. Until authors are agreed on differentiation in the breeding areas we cannot go further.

² Cf. Stres., *Orn. Monatsber*, xxxii, 1924, p. 167.

Acrocephalus stentoreus orientalis (Temm. and Schleg.).

Salicaria turdina orientalis Temminck and Schlegel, Fauna Japon., Aves, 1847, p. 50: Japan.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra.

Borneo.

Java (west); Karimon-Java Islands.

***Acrocephalus stentoreus siebersi** (Sal.).

Acrocephalus stentoreus siebersi Salomonson, Orn. Monatsbr. xxxvi, 1928, p. 119: West Java.

Distr.—Java (west).

Acrocephalus bistrigiceps Swinh.

Schrenck's Reed-Warbler.

Acrocephalus bistrigiceps Swinhoe, Ibis, 1860, p. 51: Amoy.

Distr.—Peninsular Siam.

Genus **ORTHOTOMUS** Horsfield.**Orthotomus sutorius** (Penn.).

Long-tailed Tailor-Bird.

[Orthotomus sutorius sutorius (Penn.).

Motacilla sutoria Pennant, Indian Zool. 1769, pl. 7: Ceylon.

Distr.—Extra-limital.]

Orthotomus sutorius maculicollis Moore.

Orthotomus maculicollis Moore, Proc. Zool. Soc. 1854, p. 309: Malacca.

Orthotomus huegelii Pelz., Sitz. k. Akad. Wien, xxiv, 1857, p. 369 (fide Cat. Bds.: not seen).

Distr.—Malay Peninsula.¹

Orthotomus sutorius edela Temm.

Orthotoma edela Temminck, Pl. Col. 599, fig. 2, 1836: Java.

Distr.—Java.²

Orthotomus atrogularis³ Temm.

Black-necked Tailor-Bird.

Orthotomus atrogularis atrogularis Temm.

Orthotomus atrogularis Temminck, Pl. Col., livr. 101, 1836, text: Malacca.

Orthotomus flavoviridis Moore, Proc. Zool. Soc. 1854, p. 79: Malacca.

Distr.—Malay Peninsula.⁴

Sumatra; Rhio Archipelago; Billiton.

Borneo (not north); North Natuna Islands.

¹ Birds from Peninsular Siam are *O. sutorius* > *maculicollis*.

² Has been recorded from Sumatra, but we think in error.

³ A form of *O. atrogularis* is said to occur in the Banjak Islands, West Sumatra, but no specimens seem to have been obtained.

⁴ Birds from the north of the Malay Peninsula are perhaps very slightly yellower above than those from the Malay States: they are *atrogularis* > *nitidus* Hume (Tenasserim).

Orthotomus atrogularis humphreysi Chas. and Kloss.

Orthotomus atrogularis humphreysi Chasen and Kloss, Journ. f. Ornith. 1929, Band 2, p. 120: Bettotan near Sandakan, North Borneo.

Distr.—Borneo (north).

Orthotomus atrogularis major Chas. and Kloss.

Orthotomus atrigularis major Chasen and Kloss, Journ. Malay. Br. Roy. Asiat. Soc. vi, pt. 3, 1928, p. 60: Siantan Island, Anamba Islands.

Distr.—Tioman Island; Anamba Islands.

***Orthotomus atrogularis eumelas** Oberh.

Orthotomus atrogularis eumelas Oberholser, Smiths. Misc. Coll. lxxvi, 1923, p. 6: Banka Island.

Distr.—Banka Island.

Orthotomus sericeus Temm.¹

Red-headed Tailor-Bird.

Orthotomus sericeus sericeus Temm.

Orthotomus sericeus Temminck, Pl. Col. livr. 101, 1836, text: Borneo.

Distr.—Borneo.

Orthotomus sericeus hesperius Oberh.

Orthotomus sericeus hesperius Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 89: Lingga Island.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Billiton.

Orthotomus sericeus rubicundulus Chas. and Kloss.

Orthotomus ruficeps rubicundulus Chasen and Kloss, Nov. Zool. xxxvi, 1931, p. 279: Sirhassen Island, South Natuna Islands.

Distr.—South Natuna Islands.

Orthotomus sepium Horsf.

Ashy Tailor-Bird.

Orthotomus sepium sepium Horsf.

Orthotomus sepium Horsfield, Trans. Linn. Soc. xiii, 1821, p. 166: Java.

Distr.—Java; Bali.

¹ For this unfortunate, but necessary, change of name from *O. ruficeps* which must be transferred to the bird formerly well-known as *O. cineraceus*, see Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 87.

Orthotomus sepium ruficeps (Less.).

Edela ruficeps Lesson, *Traité d'Orn.* 1831, p. 309: Australia, error=Sumatra (Rob. and Kloss, 1923).

Orthotomus cineraceus Blyth, *Journ. Asiat. Soc. Bengal*, xiv, 1845, p. 589: Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Banka.

Java (part); Bawean Island; Kangean Islands.

Orthotomus sepium palliolatus¹ Chas. and Kloss.

Orthotomus sepium palliolatus Chasen and Kloss, *Treubia*, xiv, 1933, p. 170: Karimon-Java Island.

Distr.—Karimon-Java Islands.

Orthotomus sepium borneonensis Salvad.

Orthotomus borneonensis Salvadori, *Ann. Mus. Civ. Gen.* v, 1874, p. 247: Sarawak.

Distr.—Borneo; Billiton (? subsp.).

***Orthotomus sepium baeus** Oberh.

Orthotomus cineraceus baeus Oberholser, *Smiths. Misc. Coll.* 1x, No. 7, 1912, p. 13: Nias Island.

Distr.—Nias Island, West Sumatra.

Orthotomus sepium concinnus Riley.

Orthotomus sepium concinnus Riley, *Proc. Biol. Soc. Wash.* xl, 1927, p. 96: Sipora Island.

Distr.—Siberut and Sipora Islands, West Sumatra.

Orthotomus sepium ochrommatus Oberh.

Orthotomus cineraceus ochrommatus Oberholser, *Smiths. Misc. Coll.* 1x, No. 7, 1912, p. 13: North Pagi Island.

Distr.—Pagi Islands, West Sumatra.

Genus **PHYLLERGATES** Sharpe.

Phyllergates cucullatus (Temm.).²

Ashy-naped Warbler.

Phyllergates cucullatus cucullatus (Temm.).

Orthotomus euculatus (sic) Temminck, *Pl. Col.* 599, 1836: Java.

Phyllergates sumatranus Salvad., *Ann. Mus. Civ. Gen.* (2) xii, 1891, p. 67: Sumatra.

Distr.—Sumatra.

Java; Bali.

¹ Bartels and Stresemann (1929) consider that the lowlands of the north coast of Java are occupied by "*cineraceus*" (= *ruficeps*): we have seen no specimens, but the race is not improbably *palliolatus*. Birds from Bawean and Kangean Islands also require re-examination.

² Cf. Stres., *Nov. Zool.* xix, 1912, p. 341; Rob. and Kloss, *Journ. F.M.S. Mus.* viii (pt. 2), 1918, p. 219.

Phyllergates cucullatus cinereicollis Sharpe.¹

Phyllergates cinereicollis Sharpe, Ibis, 1888, p. 479: Mt. Kinabalu, North Borneo.

Distr.—Malay States.
Borneo.

Phyllergates cucullatus thais Rob. and Kloss.

Phyllergates cucullatus thais Robinson and Kloss, Journ. Fed. Mal. States Mus. xi, 1923, p. 56: Nakon Sritamarat, Peninsular Siam.

Distr.—Peninsular Siam.

Genus **CISTICOLA** Kaup.²**Cisticola juncidis** (Rafin.).

Streaked Fantail Warbler.

[**Cisticola juncidis juncidis** (Rafin.).

Sylvia juncidis Rafinesque, Caratteri Anim. d. Scilia, 1810, p. 6: Sicily.

Distr.—Extra-limital.]

Cisticola juncidis malaya Lynes.

Cisticola juncidis malaya Lynes, Ibis, 1930, suppl. p. 92: Klang, Malay Peninsula.

Distr.—Malay Peninsula.
Sumatra; Billiton; Simalur Island, West Sumatra.
Java (west).

Cisticola juncidis fuscicapilla Wall.

Cisticola fuscicapilla Wallace, Proc. Zool. Soc. 1863, p. 489: Timor.

Distr.—Java (east); Bali; Kangean Islands.

Cisticola exilis (Vig. and Horsf.).

Red-headed Fantail Warbler.

[**Cisticola exilis exilis** (Vig. and Horsf.).

Malurus exilis Vigors and Horsfield, Trans. Linn. Soc. xv, 1827, p. 223: New South Wales.

Distr.—Extra-limital.]

Cisticola exilis lineocapilla Gould.

Cysticola lineocapilla Gould, Proc. Zool. Soc. 1847, p. 1: Northern Territory, Australia.

Cisticola delicatula Blyth, Ibis, 1870, p. 170: Java.

Distr.—Java (east); Bali.

¹ Purely from a geographical point of view the division of the southern forms of this species here proposed is a little unsatisfactory, but the skins examined seem to fall into the above arrangement, *cinereicollis* being very slightly paler on the grey hind-neck and the green mantle than *cucullatus*. The distinctions, however, are very fine.

² Revision, Lynes, Ibis, 1930, suppl. no.

Genus **FRANKLINIA** Jerdon.

Franklinia rufescens (Blyth).

Wren-Warbler.

Franklinia rufescens rufescens (Blyth).

Prinia rufescens Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p. 456: Arracan.

Distr.—Malay Peninsula.

Genus **MEGALURUS** Horsfield.

Megalurus palustris Horsf.

Striated Marsh-Warbler.

Megalurus palustris palustris Horsf.

Megalurus palustris Horsfield, Trans. Linn. Soc. xiii, 1821, p. 159: Java.

Malurus marginalis "Reinw."—Temm. Pl. Col. 65, fig. 2, 1822: Java.

Megalurus citrinus Gray, Gen. Birds, i, 1848, p. 162, pl. 48: Java.

Turdus takko Horsfield and Moore, Cat. Bds. Mus. E. I. Coy., i, 1854, p. 330: nom. nud. as syn.

Distr.—Java; Bali.

Genus **BRADYPTERUS** Swainson.

Bradypterus montis (Hart.).

Doherty's Warbler.

Stasiasticus montis Hartert, Nov. Zool. iii, 1896, p. 540: Mt. Ardjuno, East Java.

Distr.—Java.

Genus **PHRAGAMATICOLA** Jerdon.

Phragamaticola aëdon (Pall.).

Thick-billed Warbler.

[**Phragamaticola aëdon aëdon** (Pall.).

Muscicapa Aëdon Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 695: Dauria.

Distr.—Extra-limital.]

Phragamaticola aëdon rufescens Steg.

Phragamaticola aëdon rufescens Stegmann, Journ. f. Orn. lxxvii, 1929, p. 230: East Siberia.

Distr.—Peninsular Siam.¹

¹ Birds examined from various parts of Siam are all this small form.

Genus **PHYLLOSCOPUS** Boie.**Phylloscopus borealis** (Blas.). Arctic Willow-Warbler.**Phylloscopus borealis borealis** (Blas.).*Phyllopneuste borealis* Blasius, Naumannia, 1858, p. 313: Lake Ochotska.*Distr.*—Malay Peninsula.

Sumatra; Rhio Archipelago; Anamba Islands; Nias Island, West Sumatra.

Borneo; Natuna Islands.

Java; Karimon-Java Islands.

Phylloscopus borealis examinandus Stres.*Phylloscopus borealis examinandus* Stresemann, Nov. Zool. xx, 1913, p. 353: Bali.*Distr.*—Bali.**Phylloscopus borealis xanthodryas** Swinh.²*Phyllopneuste xanthodryas* Swinhoe, Proc. Zool. Soc. 1863, p. 296: Amoy.*Distr.*—? Sumatra.

Borneo.

Java.

Phylloscopus nitidus Blyth.

Green Willow-Warbler.

[Phylloscopus nitidus nitidus Blyth.*Phylloscopus nitidus* Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 965: Calcutta.*Distr.*—Extra-limital.]**Phylloscopus nitidus plumbeitarsus** Swinh.*Phylloscopus plumbeitarsus* Swinhoe, Ibis, 1861, p. 330: between Taku and Peking.*Distr.*—Peninsular Siam.**Phylloscopus tenellipes** Swinh.³

Pale-legged Willow-Warbler.

Phylloscopus tenellipes Swinhoe, Ibis, 1860, p. 53: Amoy.*Distr.*—Peninsular Siam.¹ C. B. Ticehurst (in litt.) "to me not recognizable".² Some of our own previous records of *xanthodryas* from various parts of Malaysia, and those of some other authors, we now consider as very doubtful, for it appears that the character of a relatively large first primary will not always separate it from *b. borealis*. We have, however, seen birds from Borneo quite clearly belonging to *xanthodryas*.³ Hume has recorded *P. magnirostris* Blyth from near Malacca, but as the species has not again been obtained we have omitted it from the list pending confirmation.

Phylloscopus occipitalis (Blyth). Larger Crowned Willow-Warbler.
[**Phylloscopus occipitalis occipitalis** (Blyth).]

Phyllopneuste occipitalis Blyth, Journ. As. Soc. Beng. xiv, 1845,
p. 593 : South India.

Distr.—Extra-limital.]

Phylloscopus occipitalis coronatus (Temm. and Schleg.).

Ficedula coronata Temminck and Schlegel, Fauna Japon., Aves,
1847, p. 48, pl. 18 : Japan.

Distr.—Malay Peninsula.

Sumatra.

Java.

Phylloscopus inornatus (Blyth). Crowned Willow-Warbler.

Phylloscopus inornatus inornatus (Blyth).

Regulus inornatus Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p.
191 : India.

Distr.—Malay Peninsula.

Genus **SEICERCUS** Swainson.

Seicercus trivirgatus (Strickl.). Green Flycatcher-Warbler.

Seicercus trivirgatus trivirgatus (Strickl.).¹

Phylloscopus trivirgatus Strickland, Contrib. Orn. 1849, p. 123, tab.
34, p. 123 : Java.

Distr.—Sumatra.

Borneo.

Java; Bali.

Seicercus trivirgata parvirostris (Stres.).

Phylloscopus trivirgatus parvirostris Stresemann, Nov. Zool. xix,
1912, p. 322 : Mt. Tahan, Malay Peninsula.

Distr.—Malay States.

Seicercus trivirgatus kinabaluensis (Sharpe).²

Cryptolopha kinabaluensis Sharpe, Bull. Brit. Ornith Cl. ii, 1901,
p. 60 : Mt. Kinabalu, North Borneo.

Distr.—Mt. Kinabalu, North Borneo.

¹ We have very large series of this bird from Malaysia but are still a little doubtful about the name of the Sumatran race : it is really intermediate with a leaning to the Javan form on balance of characters. In Sarawak a form very near to *trivirgatus* and quite distinct from *kinabaluensis* occurs. It seems likely that further material will show it to be rather brighter than typical *trivirgatus*.

² Diverse opinions have been published about this form. I have now seen about one-hundred birds from Mt. Kinabalu. Normally, *kinabaluensis* is a rather dull, olive-green race, much duller when in worn plumage and always very different from typical *trivirgatus*. At the top of the mountain I collected birds quite grey in colour, without a trace of yellow, or green in the plumage. The question is complicated by the fact that rare *mutants* (not merely birds in very fresh plumage) occur which in colour are inseparable from *S. t. trivirgatus*.

Seicercus castaniceps (Blyth). Chestnut-headed Flycatcher-Warbler.

[**Seicercus castaniceps castaniceps** (Blyth).

Abrornis castaniceps Blyth, Journ. Asiat. Soc. Beng. xiv, pt. 2, 1845, p. 593 : Nepal.

Distr.—Extra-limital.]

Seicercus castaniceps youngi (Rob.).

Cryptolopha youngi Robinson, Journ. Fed. Mal. States Mus. v, 1915, p. 100 : Bandon, Peninsular Siam.

Distr.—Peninsular Siam.

Seicercus castaniceps muelleri Rob. and Kloss.

Cryptolopha muelleri Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. No. 73, 1916, p. 278 : Korinchi, West Sumatra.

Distr.—Sumatra.

Seicercus castaniceps butleri (Hart.).

Cryptolopha butleri Hartert, Bull. Brit. Orn. Cl. vii, 1898, p. 50 : Mt. Ijau, Perak.

Distr.—Malay States.

Seicercus grammiceps (Strickl.). Sunda-Island Flycatcher-Warbler.

Seicercus grammiceps grammiceps (Strickl.).

Pycnosphrys grammiceps Strickland, Contr. Orn. 1849, p. 124 : Java.

Sylvia leucorrhoa Blyth, Ibis, 1870, p. 169 : Java.

Distr.—Java; Bali.

Seicercus grammiceps sumatrensis (Rob. and Kloss).

Cryptolopha sumatrensis Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. No. 73, 1916, p. 277 : Korinchi, West Sumatra.

Distr.—Sumatra.

Seicercus montis (Sharpe). Yellow-breasted Flycatcher-Warbler.

Seicercus montis montis (Sharpe).

Cryptolopha montis Sharpe, Ibis, 1887, p. 442 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Seicercus montis davisoni (Sharpe).

Chryptolopha davisoni Sharpe, Proc. Zool. Soc. 1888, p. 271 : Perak, Malay Peninsula.

Distr.—Malay States.

Seicercus montis inornata (Rob. and Kloss).

Cryptolopha montis inornata Robinson and Kloss, Journ. Straits Br. Roy. Asiat. Soc. No. 81, 1920, p. 99 : Korinchi, West Sumatra.
Distr.—Sumatra.

Genus **ABROSCOPUS** Stuart Baker.

Abroscopus superciliaris (Blyth). Bamboo Flycatcher-Warbler.

Abroscopus superciliaris superciliaris (Blyth).

Abroscopus superciliaris Blyth, Journ. Asiat. Soc. Beng. xxviii, 1859, p. 414 : Tenasserim.
Distr.—Peninsular Siam.¹

Abroscopus superciliaris schwaneri (Blyth).

Abroscopus schwaneri Blyth, Ibis, 1870, p. 169 : Borneo.
Abroscopus sakaorum Stresm., Bull. Brit. Orn. Cl. xxxi, 1912, p. 27 : Perak—Pahang boundary, Malay States.
Distr.—Malay States.
Sumatra.
Borneo.

Abroscopus superciliaris vordermani (Büttik.).

Cryptolopha Vordermani Büttikofer, Notes Leyd. Mus. xv, 1893, p. 260 : East Java.
Distr.—Java.

Genus **CETTIA** Bonaparte.

Cettia montana (Horsf.). Bush-Warbler.

Cettia montana montana (Horsf.).

Sylvia montana Horsfield, Trans. Linn. Soc. xiii, 1821, p. 156 : Java.
Sylvia vulcania Blyth, Ibis, 1870, p. 170 : Java (nom. nud.).
Distr.—Java; Bali.

Cettia montana sumatrana O.-Grant.

Cettia sumatrana Ogilvie-Grant, Bull. Brit. Orn. Cl. xxxvi, 1916, p. 66 : Korinchi, West Sumatra.
Distr.—Sumatra (not north).

Cettia montana sepiaria Kloss.

Cettia montana sepiaria Kloss, Treubia, xiii, 1931, p. 352 : Acheen, North Sumatra.
Distr.—Sumatra (north).

¹ The birds I here call *A. s. superciliaris* are like *schwaneri* in colour but larger : they are therefore perhaps not true *superciliaris*, but intermediate, or an undescribed race.

SYLVIIDÆ.

Cettia montana oreophila Sharpe.

Cettia oreophila Sharpe, Ibis, 1888, p. 387: Mt. Kinabalu, North Borneo.

Distr.—Borneo (part).

Cettia montanus banksi Chas.

Cettia montanus banksi Chasen, Ornith. Monatsber. 1935, p. 147: Mt. Mulu, N. Sarawak.

Distr.—Borneo (part).

Genus **UROSPHENA** Swinhoe.

Urosphena squameiceps (Swinh.). Swinhoe's Reed-Warbler.

Urosphena squameiceps squameiceps (Swinh.).

Tribura squameiceps Swinhoe, Proc. Zool. Soc. 1863, p. 292: Canton.

Distr.—Peninsular Siam.

Genus **SUYA** Hodgson.

Suya atrogularis Horsf. and Moore. Hill-Warbler.

[**Suya atrogularis atrogularis** Horsf. and Moore.

Suya atrogularis Horsfield and Moore, Cat. Birds Mus. East Ind. Coy. 1, 1854, p. 326: Darjeeling.

Distr.—Extra-limital.]

Suya atrogularis albogularis Hume.

Suya albogularis Hume, Stray Feathers, 1, 1873, p. 459: Acheen, Sumatra.

* ? *Burnesia dysancrita* Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 14: Loh Sidoh Bay, North-west Sumatra.

Distr.—Sumatra.

Suya atrogularis waterstradti Hart.

Suya waterstradti Hartert, Nov. Zool. ix, 1902, p. 568: Mt. Tahan, Malay States.

Distr.—Malay States.

Genus **PRINIA** Horsfield.

Prinia inornata Sykes. Wren-Warbler.

[**Prinia inornata inornata** Sykes.

Prinia inornata Sykes, Proc. Zool. Soc. 1832, p. 89: Dukhun.

Distr.—Extra-limital.]

Prinia inornata blythi (Bp.).*Suya blythi* Bonaparte, Consp. Gen. Avium, i, 1850, p. 281: Java.

Distr.—Java.

Prinia polychroa (Temm.).

Javan Wren-Warbler.

Malurus polychrous Temminck, Pl. Col. 466, 1828: Java.

Distr.—Java.

Prinia familiaris Horsf.

Bar-winged Wren-Warbler.

Prinia familiaris familiaris Horsf.*Prinia familiaris* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 165:
Java, restr. Province of Besoeki (*Kloss*, 1931).*Orthotomus prinia* Temm., Pl. Col. text to pl. 599, 1836, Java.

Distr.—Java (east); Bali.

Prinia familiaris olivacea (Raffl.).*Motacilla olivacea* Raffles, Trans. Linn. Soc. xiii, 1822, p. 313:
Sumatra.

Distr.—Sumatra.

Java (west); ? Karimon-Java Islands.

Prinia flaviventris (Deless.).

Yellow-bellied Wren-Warbler.

[**Prinia flaviventris flaviventris** (Deless.).*Orthotomus flaviventris* Delessert, Rev. Mag. Zool. 1840, p. 101:
Bhutan.

Distr.—Extra-limital.]

Prinia flaviventris rafflesi Tweed.*Prinia rafflesi* Tweeddale, Ibis, 1877, p. 311, pl. vi, fig. 1:
Lampongs, South Sumatra.*Prinia hypoxantha* Salvad., Ann. Mus. Civ. Gen. xiv, 1879, p. 235:
Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Java.

Prinia flaviventris superciliaris Salvad.*Prinia superciliaris* Salvadori, Ann. Mus. Civ. Gen. v, 1874, p. 249:
Sarawak.

Distr.—Borneo.

Prinia flaviventris halistona (Oberh.).*Burnesia dysancrita halistona* Oberholser, Smiths. Misc. Coll. 1x,
No. 7, 1912, p. 14: Nias Island.

Distr.—Nias Island, West Sumatra.

Family ARTAMIDÆ.

Genus **ARTAMUS** Vieillot.

Artamus leucorhynchus (Linn.).¹ Swallow-Shrike.

Artamus leucorhynchus leucorhynchus (Linn.).

Lanius leucorhyn. Linn., Mant. Plant. 1771, p. 524: Manila, Philippine Islands.

Artamus leucorhyn. macroterus Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 53: Sirhassen Island, Natuna Islands.

Distr.—Borneo; North Bornean Islands; Maratua Islands; Mantanani Island; Natuna Islands.

Artamus leucorhynchus amydrus Oberh.

Artamus leucorhyn. amydrus Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 185: Solombo Besar Island, Java Sea.

Distr.—Sumatra; Banka; Billiton; Mendanao.

Java; Bali; Kangean Islands; Solombo Besar Island; Karimon-Java Islands.

Family LANIIDÆ.

Genus **HEMIPUS** Hodgson.

Hemipus hirundinaceus (Temm.). Black-winged Pied Shrike.

Muscicapa hirundinacea "Reinw." Temminck, Pl. Col. 119, 1823: Java.

Muscicapa obscura Horsf. (not Gmelin, 1789), Trans. Linn. Soc. xiii, 1821, p. 146: Java.

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Nias; Billiton.

Borneo; Banguay Island.

Java; Bali.

Hemipus picatus (Sykes). Bar-winged Pied Shrike.

Hemipus picatus picatus (Sykes).

Muscicapa picata Sykes, Proc. Zool. Soc. 1832, p. 85: Dukhun.

Hemipus intermedius Salvad., Ann. Mus. Civ. Gen. xiv, 1879, p. 209: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

¹ Cf. Stres., Nov. Zool. xx, 1913, p. 289.

Genus **TEPHRODORNIS** Swainson.

Tephrodornis gularis (Raffl.).

Wood-Shrike.

Tephrodornis gularis gularis (Raffl.).

Lanius gularis Raffles, Trans. Linn. Soc. xiii, 1822, p. 304 :
Bencoolen, West Sumatra.

Lanius virgatus Temm., Pl. Col. 256, fig. i, 1824 : Java.

Distr.—Sumatra (south-west coastlands).
Java.

Tephrodornis gularis fretensis Rob. and Kloss.

Tephrodornis gularis fretensis Robinson and Kloss, Journ. Straits
Branch Royal Asiatic Soc. 81, 1920, p. 109 : Negri Sembilan,
Malay States.

Distr.—Malay States.¹
Sumatra (except south-west).

Tephrodornis gularis annectens Rob. and Kloss.

Tephrodornis pelvica annectens Robinson and Kloss, Journ. F.M.S.
Mus. viii, pt. 2, 1918, p. 222 : Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Tephrodornis gularis frenatus Büttik.

Tephrodornis frenatus Büttikofer, Notes Leyd. Mus. ix, 1887, p. 53 :
Borneo.

Distr.—Borneo.

Genus **PLATYLOPHUS** Swainson.

Platylophus galericulatus (Cuv.).

Jay-Shrike.

Platylophus galericulatus galericulatus (Cuv.).

Lanius galericulatus Cuvier, Règne Anim. i, 1817, p. 399 : Java.

Lanius scafulatus Licht., Verz. Doubl. 1823, p. 49 : Java.

Vanga cristata Griff., An. Kingd. Birds, i, pl. to p. 486, 1829 : Java.

Distr.—Java.

Platylophus galericulatus ardesiacus (Bp.).

Lophocitta ardesiaca Bonaparte, Consp. Avium, i, 1850, p. 374 :
"Java?" error = Malacca (Robinson and Kloss, 1924).

Distr.—Malay Peninsula.

¹ The form found in Patani, South Peninsular Siam is perhaps nearer to *fretensis* than to *annectens*.

LANIIDÆ.

Platylophus galericulatus coronatus (Raffl.).

Lanius coronatus Raffles, Trans. Linn. Soc. xiii, 1822, p. 306 : Sumatra.

Lophocitta histronica Bp., Proc. Zool. Soc. 1850, p. 79 : Sumatra.

Garrulus rufulus Schl., Handl. Dierk. i, 1857, p. 327 : Sumatra.

Distr.—Sumatra.

Borneo (not north).

Platylophus galericulatus lemprieri Nich.

Platylophus lemprieri Nicholson, Ibis, 1883, p. 88 : Sandakan Bay, North Borneo.

Distr.—Borneo (north).

Genus **PITYRIASIS** Lesson.

Pityriasis gymnocephala (Temm.).

Bald Shrike.

Barita gymnocephala Temminck, Pl. Col. 572, 1835 : Borneo.

Distr.—Borneo.

Genus **CROCIAS** Temminck.

Crocias guttatus Temm.

Spotted Shrike.

Crocias guttatus Temminck, Pl. Col. 592, 1836 : Java.

Laniellus leucogrammicus Swains., in Rich., F. Bor.-Amer. (2), 1832, p. 481 : nom. nud.

Distr.—Java.

Genus **LANIUS** Linn.

Lanius tigrinus Drap.

Thick-billed Shrike.

Lanius tigrinus Drapiez, Dict. Class. Hist. Nat. xiii, 1828, p. 523 : Java.

Lanius ferox Drap., Dict. Class. Hist. Nat. xiii, 1828, p. 523 : Java.

Lanius strigatus Eyton, Proc. Zool. Soc. 1839, p. 103 : Malacca.

Enneootonus crassirostris Bp., Consp. Gen. Avium, 1850, p. 362 : Java (nom. nud.).

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Mentawi Islands and Simalur, West Sumatra.

Borneo.

Java.

Lanius cristatus¹ Linn. Brown Shrike.

Lanius cristatus cristatus Linn.

Lanius cristatus Linn., Syst. Nat. 10th. ed. 1758, p. 93 : Bengal.

Distr.—Malay Peninsula; Anamba Islands.

? Sumatra.

Borneo.

Lanius cristatus lucionensis Linn.

Lanius lucionensis Linn., Syst. Nat. 12th. ed. i, 1766, p. 135 :
Luzon, Philippine Islands.

Enneoctonus schwaneri Bp., Consp. Gen. Avium, i, 1850, p. 363 : Borneo.

Distr.—Malay States.

Sumatra.

Borneo.

Lanius cristatus superciliosus Lath.

Lanius superciliosus Latham, Ind. Orn. Suppl. 1801, p. 20 : Java.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra.

Borneo.

Java; Bali; Karimon-Java Islands.

Lanius cristatus confusus Stegm.

Lanius cristatus confusus Stegmann, Journ. f. Orn. 1929, p. 248 :
Amurland.

Distr.—Malay Peninsula.

Lanius schach Linn.

Grey-backed Shrike.

[**Lanius schach schach** Linn.

Lanius schach Linn., Syst. Nat. 10th. ed. 1758, p. 94 : China.

Distr.—Extra-limital.]

Lanius schach bentet Horsf.²

Lanius Bentet Horsfield, Trans. Linn. Soc. xiii, 1821, p. 144 : Java.

Lanius pyrrhonotus Vieill. and Oudart, Gal. des Ois. i, 1825, p. 219,
pl. 135 : "Grandes Indes" = Java (*Mathews*, 1930).

Lanius macrourus Cuv., fide Less., Traité d'Orn. 1831, p. 372 : Java.

Lanius schach tosariensis Kuroda, Tori, vi, 1930, p. 76 : Tosari, East
Java.

Distr.—Malay States.

Sumatra.

Java; Bali; Kangean Islands.

¹ Review : Steg., Orn. Monatsber. xxxviii, 1930, p. 115.

² There seems to be no reliable record of *Lanius schach bentet* from Borneo.

Lanius nasutus (Scop.). Philippine Grey-backed Shrike.

Lanius nasutus nasutus Scop.

Lanius nasutus Scopoli, Del. Flor. Faun. Insubr. ii, 1786, p. 85:
Panay, Philippine Islands.

Distr.—Borneo (north).

Genus **PACHYCEPHALA** Vigors.

Pachycephala pectoralis (Lath.). Thick-head, or Golden Whistler.

[**Pachycephala pectoralis pectoralis** (Lath.).

Muscicapa pectoralis Latham, Index Orn. Suppl. 1801, p. 51: New
South Wales.

Distr.—Extra-limital.]

Pachycephala pectoralis javana Hart.

Pachycephala pectoralis javana Hartert, Bull. Brit. Orn. Cl. xlviii,
1928, p. 88: Mt. Ardjuno, East Java.

Distr.—Java (east); Bali.¹

Pachycephala cinerea (Blyth).² Mangrove Flycatcher-Shrike.

[**Pachycephala cinerea cinerea** (Blyth).³

Muscitrea cinerea Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p.
122: Island of Ramree, Arracan.

Distr.—Extra-limital.]

Pachycephala cinerea butaloides Stres.

Pachycephala grisola butaloides Stresemann, Treubia, xi, 1929,
p. 135: Bolang, West Java.

Muscicapa philomela Cab., Arch. f. Naturg., ii, 1847, p. 322: Java
(nom. nud.).

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Mentawi Islands, W. Sumatra.
Borneo (not north); Karimata Islands.

Java; Bali; Kangean Islands; Karimon-Java Islands.

Pachycephala cinerea secedens Stres.

Pachycephala grisola secedens Stresemann, Nov. Zool. xx, 1913,
p. 355: Sirhassen Island, South Natuna Islands.

Distr.—Borneo (north); North Bornean Islands; Maratua Islands;
Natuna Islands; Karimata Islands.

¹ Rensch considers that the Bali bird is *P. p. javana fulvotincta* Wall. (Flores).

² This is a most difficult bird to understand and in spite of good series in our possession the racial divisions here adopted can only be regarded as tentative: cf. Chas. and Kl., Bull. Raff. Mus. 4, 1930, p. 50.

³ We do not see how *Tephrodornis grisola* Blyth (Calcutta) can be applied to this bird.

***Pachycephala cinerea nesiotis** (Oberh.).

Muscitrea grisola nesiotis Oberholser, Smiths. Misc. Coll. ix, no. 7, 1912, p. 11: Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Pachycephala cinerea vandepolli** Finsch.

Pachycephala Vandepolli Finsch, Notes Leyden Mus. xx, 1899, p. 224: Tello Island, Batu Islands.

Distr.—Batu Islands, West Sumatra.

Pachycephala hypoxantha (Sharpe). Kinabalu Flycatcher-Shrike.

Pachycephala hypoxantha hypoxantha (Sharpe).

Hyloterpe hypoxantha Sharpe, Ibis, 1887, p. 451: Mt. Kinabalu, North Borneo.

Distr.—Borneo (part).

Pachycephala hypoxantha sarawacensis Chas.

Pachycephala hypoxantha sarawacensis Chasen, Bull. Raffles Mus. 10, 1935, p. 44: Mt. Poi, Sarawak.

Distr.—Borneo (mountains of West Sarawak).

Family PARIDÆ.

Genus **MELANOCHLORA** Lesson.

Melanochlora sultanea (Hodgs.).

Sultan-Tit.

[**Melanochlora sultanea sultanea** (Hodgs.).

Parus sultaneus Hodgson, Indian Review, 1836, p. 31: Nepal.

Distr.—Extra-limital.]

Melanochlora sultanea flavocristata (Laf.).

Parus flavocristatus Lafresnaye, Mag. Zool. Cl. 2, 1837, p. 180: "Isles de la Sonde"=Sumatra (*Rob. and Kloss, 1918*).

Melanochlora sumatrana Less., Rev. Mag. Zool. 1839, p. 42: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Genus **PARUS** Linn.

Parus major Linn.

Great Tit.

[**Parus major major** Linn.

Parus major Linn., Syst. Nat. 10th. ed. 1758, p. 189: Sweden, Europe.

Distr.—Extra-limital.]

Parus major cinereus Vieill.

Parus cinereus Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xx, 1818, p. 316: Batavia, West Java.

Parus atriceps Horsf., Trans. Linn. Soc. xiii, 1821, p. 160: Java.

Distr.—Java; Bali.

Parus major ambiguus (Raffles.).

Turdus ambiguus Raffles, Trans. Linn. Soc. xiii, 1821, p. 313 : Sumatra.

Parus major malayorum Robinson and Kloss, Journ. Fed. Malay States Mus. viii, pt. 2, 1918, p. 226 : Korinchi, West Sumatra.

Distr.—Malay Peninsula.
Sumatra.

Parus major cinerascens Slater.

Parus cinerascens H. H. Slater, Ibis, 1885, p. 122, pl. 4 : Sarawak.

Parus sarawacensis H. H. Slater, Ibis, 1885, p. 327 : new name only.

Distr.—Borneo.

Genus **PSALTRIA** Temminck.

Psaltia exilis Temm.

Pygmy Tit.

Psaltia exilis Temminck, Pl. Col. 600, 1836 : Java.

Distr.—Java.

Family **SITTIDÆ**.

Genus **SITTA** Linn.¹

Sitta frontalis (Swains.).

Velvet-fronted Nuthatch.

Sitta frontalis frontalis (Swains.).

Orthorhynchus frontalis Swainson, Zool. Ill. i, 1820, pl. 2 : Ceylon.

Sitta frontalis Horsf., Trans. Linn. Soc. xiii, 1821, p. 162 : Java.

Sitta velata Temm., Pl. Col. 72, 1821 : Java.

Sitta frontalis hageni Parrot, Abh. Kon. Bay. Akad. Wiss. xxiv, 1907, p. 244 : Banka.

Distr.—Peninsular Siam (north).
Sumatra (south); Lingga; Banka.
Java.

Sitta frontalis saturator Hart.

Sitta frontalis saturator Hartert, Nov. Zool. ix, 1902, p. 573 : Mt. Tahan, Malay States.

Distr.—Peninsular Siam (south); Malay States.
Sumatra (north).

Sitta frontalis corallipes (Sharpe).

Dendrophila corallipes Sharpe, Ibis, 1888, p. 479 : Mt. Kinabalu, North Borneo.

Distr.—Borneo; Maratua Islands, East Borneo.

¹ *Sitta longirostra* Lath., Index Orn. 1790, p. 264 (Batavia) is a puzzle. It may be the earliest name for the bird now known as *Sitta frontalis*, but the description, taken from a drawing, is not good and the size too large. The description fits *Tephrodornis gularis* fairly well, but Latham surely knew a nuthatch !

Sitta azurea Less.

Blue Nuthatch.

Sitta azurea azurea Less.*Sitta azurea* Lesson, *Traité d'Orn.* 1830, p. 316: Java (Hart., 1914; restr. East Java, Mt. *Ardjuno*, Rob. and Kloss, 1919).*Dendrophila flavipes* Swains., *Anim. in Menag.* 1837, p. 323: India, error = Java.¹*Dendrophila gymnophrys* Reichenb., *Handb. Scans.* 1853, p. 154: Java.*Distr.*—Java (east).**Sitta azurea nigriventer** (Rob. and Kloss).*Poliositta azurea nigriventer* Robinson and Kloss, *Bull. Brit. Orn. Cl.* xl, 1919, p. 17: Mt. Gede, West Java.*Distr.*—Java (west).**Sitta azurea expectata** (Hart.).*Callisitta azurea expectata* Hartert, *Bull. Brit. Orn. Cl.*, xxxv, 1914, p. 34: Pahang, Malay States.*Distr.*—Malay States.
Sumatra.Family ZOSTEROPIDÆ.²Genus **ZOSTEROPS** Vigors and Horsfield.³**Zosterops palpebrosa** (Temm.).⁴

White-eye.

[Zosterops palpebrosa palpebrosa (Temm.).*Sylvia palpebrosa* Temminck, *Pl. Col.* 293, fig. 3, 1824: India.*Distr.*—Extra-limital.]**Zosterops palpebrosa williamsoni** Rob. and Kloss.⁵*Zosterops palpebrosa williamsoni* Robinson and Kloss, *Journ. Nat. Hist. Soc. Siam*, iii, 1919, p. 445: Meklong, Central Siam.*Distr.*—Malay Peninsula (lowlands).
Rhio Archipelago.¹ Mathews, 1930, restricts the type locality to Timor, but the species seems not to occur there.² Revision: Stres., *Mitt. Zool. Mus. Berl.* xvii, 1931, p. 201.³ In addition to the species listed *Zosterops japonica simplex* Swinh., occurs on Singapore Island; we have handled locally shot specimens in the flesh and have also seen it in the Botanic Gardens. We regard these birds as introduced specimens. The species is imported in large numbers.⁴ There seems no reason why the Malaysian forms of *Zosterops*, variously referred to the "species" *palpebrosa* and *aureiventer* should not be grouped in a species. Broadly speaking, the grey-bellied "*aureiventer*" birds are mountain forms, whereas the pale-bellied *palpebrosa* forms live in the lowlands.⁵ It is just possible that birds from the south of the Malay Peninsula should be separated from true *williamsoni*.

***Zosterops palpebrosa aureiventer* Hume.**

Zosterops aureiventer Hume, Stray Feathers, vi, 1878, p. 519 : Tavoy.

Zosterops tahanensis O.-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 10 : Mt. Tahan, Malay States.

Distr.—Malay Peninsula (mountains).

***Zosterops palpebrosa sumatrana* Kloss.**

Zosterops palpebrosa sumatrana Kloss, Treubia, xiii, 1931, p. 369 : Korinchi Valley, West Sumatra.

Distr.—Sumatra.

***Zosterops palpebrosa media* Rob. and Kloss.**

Zosterops aureiventer media Robinson and Kloss, Ibis, 1923, p. 152 : Samarahan, Sarawak.

Zosterops aureiventer parvus Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 56 : Mt. Kinabalu, North Borneo.

Distr.—Borneo.

***Zosterops palpebrosa erwini* Chas.**

Zosterops palpebrosa erwini Chasen, Bull. Raffles Mus. no. 9, 1934, p. 96 : Pulau Panjang, South Natuna Islands.

Distr.—South Natuna Islands.

***Zosterops palpebrosa buxtoni* Nich.**

Zosterops buxtoni Nicholson, Ibis, 1879, p. 167 : West Java.

Zosterops lateralis Hartl. (not Lath. 1801) Journ. f. Orn. 1865, p. 15 : Java.

Distr.—Borneo (part).¹

Java (west and central).

****Zosterops palpebrosa salvadorii* Mey. and Wigl.**

Zosterops salvadorii A. B. Meyer and Wiglesworth, Journ. f. Orn. 1894, p. 115 : Engano Island.

Zosterops incerta Salvad. (not Meyer), Ann. Mus. Civ. Gen. (2) xxxii, 1892, p. 133 : Engano Island.

Distr.—Engano Island, West Sumatra.

***Zosterops natalis*² Lister.**

Christmas Island White-eye.

Zosterops natalis Lister, Proc. Zool. Soc. 1888, p. 518, pl. 27 : Christmas Island.

Distr.—Christmas Island, Indian Ocean; Cocos-Keeling Islands (introduced).

¹ Stresemann (1931) seems to be the first to recognize this, or a closely allied form of *Zosterops* in Borneo, and refers some skins from the mountains of West Sarawak to *buxtoni*. We have recently examined some skins from the lowlands near Kuching. The specimens are old and faded. They are, clearly, not *media*, but seem nearer to *williamsoni* than to *buxtoni*. Here, for the moment, the matter must rest.

² The affinities of this form seem to be with *Zosterops citrinella* (vide Chasen, Bull. Raffles Mus. 8, 1933, p. 84).

Zosterops atricapilla Salvad. Black-capped White-eye.

Zosterops atricapilla Salvadori, Ann. Mus. Civ. Gen. xiv, 1879, p. 215: Padang Highlands, West Sumatra.

Zosterops clara Sharpe, Ibis, 1888, p. 479: Mt. Kinabalu, North Borneo.

Distr.—Sumatra.

Borneo.

Zosterops flava (Horsf.). Yellow White-eye.

Zosterops flava flava (Horsf.).

Dicæum flavum Horsfield, Trans. Linn. Soc. xiii, 1821, p. 170: Java.

Zosterops parvule Hombron and Jacquinot, Voy. Pôle sud. Atlas, 1844, pl. 19: South-east Borneo.

Distr.—Borneo (south).

Java (west); North Watcher Islands.

Zosterops melanura Hartl. Small Bridled White-eye.

***Zosterops melanura melanura** Hartlaub.

Zosterops melanura Hartlaub, Journ. f. Orn. 1865, p. 15: Pontianak, South-west Borneo.

Distr.—Borneo (south).

Zosterops melanura gallio Sharpe.

Zosterops gallio Sharpe, Cat. Bds. Brit. Mus. ix, 1884, p. 185: East Java.

Distr.—Java.

Zosterops chlorates Hartl. Greater Zosterops.

Zosterops chlorates chlorates Hartl.¹

Zosterops chlorates Hartlaub, Journ. f. Orn. 1865, p. 23: Morotai Island, North Moluccas error=Sumatra.

Zosterops chlorates korinchi Kloss, Treubia, xiii, 1931, p. 369: Mt. Korinchi, South-west Sumatra.

Distr.—Sumatra (part).

***Zosterops chlorates difficilis**² Rob. and Kloss.

Zosterops difficilis Robinson and Kloss, Journ. Fed. Malay States Mus. viii, pt. 2, 1918, p. 250: Mt. Dempo, South Sumatra.

Distr.—Sumatra (part).

¹ Cf. Kloss, Treubia, xiii, 1931, p. 369, where Morotai Island is accepted as the type locality of *Z. chlorates*.

² *Zosterops montana* Bp., 1850, may be this bird, but it seems also possible that it is a Sumatran form of *Z. flava*.

Zosterops chlorates sindorensis Siebers.

Zosterops palpebrosa sindorensis Siebers, Treubia, xi, 1929, p. 151 :
Mt. Tjerimai, West Java.

Distr.—Java (west and central).

Zosterops chlorates neglecta Seebohm.

Zosterops neglecta Seebohm, Bull. Brit. Orn. Cl. i, 1893, p. 26 :
East Java.

Distr.—Java (east); Bali.

Zosterops chloris Bp.

Large Bridled White-eye.

[**Zosterops chloris chloris** Bp.

Zosterops chloris Bonaparte, Consp. Gen. Avium, i, 1850, p. 398 :
Banda Island, Moluccas.

Distr.—Extra-limital.]

Zosterops chloris maxi Finsch.

Zosterops Maxi Finsch, Journ. f. Orn. lv, 1907, p. 302 : Thousand
Islands, West Java.

Distr.—Thousand Islands, Java Sea; Karimon-Java Islands.

***Zosterops chloris solombensis** Oberh.

Zosterops solombensis Oberholser, Proc. U. S. Nat. Mus. liv, 1917,
p. 188 : Solombo Besar Island.

Distr.—Solombo Besar Island, Java Sea; Billiton.

***Zosterops chloris zachlora** Oberh.

Zosterops solombensis zachlora Oberholser, Proc. U.S. Nat. Mus.
liv, 1917, p. 199 : Kalambau Island.

Distr.—Kalambau Island, Java Sea.

Zosterops javanica (Horsf.).

Javan Zosterops.

Zosterops javanica javanica (Horsf.).

Sylvia javanica Horsfield, Trans. Linn. Soc. xiii, 1821, p. 156 :
Java (central).

Distr.—Java (central).

Zosterops javanica frontalis Reichenb.

Zosterops frontalis Reichenbach, Handb., Merop. 1852, p. 94, pl.
463 : Java (west).

Zosterops fallax Sharpe, Cat. Bds. Brit. Mus. ix, 1884, p. 197 : West
Java.

Distr.—Java (west).

Zosterops javanica elongata (Stres.).

Oreosterops javanica elongata Stresemann, Nov. Zool. xx, 1913, p. 336: Bali.

Distr.—Java (east); Bali.

Zosterops squamifrons Sharpe.

Pygmy Zosterops.

Zosterops squamifrons Sharpe, Ibis, 1892, p. 323: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Genus **CHLOROCHARIS** Sharpe.

Chlorocharis emiliæ Sharpe.

Sharpe's White-eye.

Chlorocharis emiliæ emiliæ Sharpe.

Chlorocharis emiliæ Sharpe, Ibis, 1888, p. 392: Mt. Kinabalu, North Borneo.

Distr.—Borneo (north).

Chlorocharis emiliæ moultoni Chas. and Kloss.

Chlorocharis emiliæ moultoni Chasen and Kloss, Bull. Brit. Orn. Cl. xlviii, 1927, p. 47: Mt. Poi, South-west Sarawak.

Distr.—Borneo (mountains of Sarawak).

Family DICÆIDÆ.

Genus **DICÆUM** Cuvier.

Dicæum trochileum (Sparrm.). Scarlet-breasted Flower-pecker.

Dicæum trochileum trochileum (Sparrm.).

Certhia trochilea Sparrman, Mus. Carls. iv, no. 80, 1789: West Java (*Strese.*, 1923).

Motacilla flammeum Sparrm., Mus. Carls. iv, 1789, No. 98: Java.

Dicæum rubescens Vieill., Nov. Dict. d' Hist. Nat. ed. 2, ix, 1817, p. 408: Java.

Nectarinia rubro-cana Temm., Pl. Col. 108, 1822: Java.

Dicæum rubrocosum Cuv., Règne Anim. i, 1829, p. 433: Java.

Distr.—Borneo (south).

Java; Bali;¹ Bawean Island; Kangean Islands; Karimon-Java Islands.

Dicæum cruentatum (Linn.).

Scarlet-backed Flower-pecker.

[**Dicæum cruentatum cruentatum** (Linn.).

Certhia cruentata Linn., Syst. Nat. 10th. ed. 1758, p. 119: Bengal.

Distr.—Extra-limital.]

¹ Rensch considers that the Bali bird is *D. t. trochileum* >< *stresemanni* Rensch (Lombok).

Dicaeum cruentatum siamensis Kloss.

Dicaeum cruentatum siamensis Kloss, Ibis, 1918, p. 216: East Siam.

Distr.—Peninsular Siam (north).

Dicaeum cruentatum ignitum (Begg.).¹

Nectarinea ignita Beggie, Malay. Pen. 1834, p. 518: Malacca.

Distr.—Malay Peninsula.

Dicaeum cruentatum nigrimentum Salvad.

Dicaeum nigrimentum Salvadori, Ann. Mus. Civ. Gen. v, 1874, p. 165: Sarawak.

Dicaeum pryeri Sharpe, Proc. Zool. Soc. 1881, p. 795: Sandakan, North Borneo.

Distr.—Borneo; North Bornean Islands; Karimata Islands (subsp. incert.).

Dicaeum cruentatum sumatranum Cab.

Dicaeum sumatranum Cabanis, Journ. f. Orn. 1878, p. 101: Sumatra.

Distr.—Sumatra; Nias Island.

Dicaeum cruentatum batuense Richm.

Dicaeum sumatranum batuense Richmond, Proc. Biol. Soc. Wash. xxv, 1912, p. 104: Pinie Island, Batu Islands.

Distr.—West Sumatran Islands of Batu group, Sipora and South Pagi.

Dicaeum sanguinolentum Temm. Fire-breasted Flower-pecker.

Dicaeum sanguinolentum sanguinolentum Temm.²

Dicaeum sanguinolentum Temminck, Pl. Col. 478, 1829: West Java (restr. Robinson and Kloss, 1923).

Distr.—Java (west).

Dicaeum sanguinolentum ablutum Rob. and Kloss.

Dicaeum sanguinolentum ablutum Robinson and Kloss, Journ. Fed. Malay States Mus. xi, 1923, p. 57: East Java.

Distr.—Java (east); Bali.

Dicaeum sanguinolentum beccarii Rob. and Kloss.

Dicaeum beccarii Robinson and Kloss, Journ. Straits Branch, Roy. Asiat. Soc. no. 73, 1916, p. 278: Korinchi, Sumatra.

Dicaeum vanheysti Robinson and Kloss, Journ. Fed. Malay States Mus. vii, 1918, p. 239: Brastagi, North Sumatra.

Distr.—Sumatra.

¹ There is a visual record, probably of this subspecies, from the Rhio Archipelago.

² Has also been recorded from Sumatra, but confirmation is needed.

Dicaeum sanguinolentum ignipectus (Hodgs.).

Myzanthus ignipectus Hodgson, Journ. Asiat. Soc. Bengal, xii, 1843, p. 983 : Nepal.

Distr.—Malay States.

Dicaeum sanguinolentum monticolum Sharpe.

Dicaeum monticolum Sharpe, Ibis, 1887, p. 452 : Mt. Kinabalu, N. Borneo.

Dicaeum sulaense sula Harr. and Hart., Bull. B. O. Cl. liv, 1934, p. 159 : Mt. Dulit, Sarawak.

Distr.—Borneo.

Dicaeum trigonostigmum (Scop.).² Orange-bellied Flower-pecker.

Dicaeum trigonostigmum trigonostigmum (Scop.).

Certhia trigonostigma Scopoli, Del. Flor. et Faun. Insubr, ii, 1786, p. 91 : Malacca.

Certhia cantillans Lath., Ind. Orn. i, 1790, p. 299 : "China" = Malacca.

Dicaeum croceiventris Vigors, Mem. Raffles, 1830, p. 673 : Sumatra.

Dicaeum trigonostigma hypochlous Oberh., Bull. U.S. Nat. Mus. 98, 1917, p. 67 : Siantan Island, Anamba Islands.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio and Lingga Archipelagos; Billiton; Banka. Karimata Islands.

Dicaeum trigonostigmum rubropygium Baker.

Dicaeum trigonostigma rubropygium Stuart Baker, Bull. Brit. Orn. Cl. xli, 1921, p. 108 : Mergui.

Distr.—Peninsular Siam.

Dicaeum trigonostigmum dayakanum Chas. and Kloss.

Dicaeum trigonostigma dayakana Chasen and Kloss, Journ. f. Ornith. 1929, Bd. 2, p. 121 : near Sandakan, North Borneo.

Distr.—Borneo; North Bornean Islands.

Dicaeum trigonostigmum megastomum Hartert.

Dicaeum trigonostigma megastoma Hartert, Bull. Brit. Orn. Cl. xxxviii, 1918, p. 74 : Great Natuna Island.

Distr.—North Natuna Islands.

Dicaeum trigonostigmum flaviclune Hartert.

Dicaeum trigonostigma flaviclunis Hartert, Bull. Brit. Orn. Cl. xxxviii, 1918, p. 75 : Karangholong, Java.

Distr.—Java; Bali.

¹ After an examination of the material on which "*sula*" is based I believe that the differences noted between birds from Mt. Kinabalu and Mt. Dulit are due to individual variation, and the unequal condition of the skins from the two localities.

² Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 119.

***Dicæum trigonostigma antioproctum** Oberh.

Dicaeum trigonostigma antioproctum Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 21 : Simalur Island.

Dicaeum trigonostigma melanthe Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 21 : Lasia Island, West Sumatra.

Distr.—West Sumatran Islands of Simalur and Lasia.

***Dicæum trigonostigma lyprum** Oberh.

Dicaeum trigonostigma lyprum Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 21 : Nias Island.

Distr.—Nias and Batu islands, West Sumatra.

Dicæum trigonostigma pagense Oberh.

Dicaeum trigonostigma pagense Oberholser, Journ. Wash. Acad. Sci, xvi, 1926, p. 520 : South Pagi Island.

Distr.—Mentawi Islands.

Dicæum chrysorrheum Temm.

Yellow-vented Flower-pecker.

Dicæum chrysorrheum chrysorrheum Temm.

Dicaeum chrysorrheum Temminck, Pl. Col. 478, 1829 : Java.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java (west).

Dicæum concolor Jerd.

Plain-coloured Flower-pecker.

[**Dicæum concolor concolor** Jerd.

Dicaeum concolor Jerdon, Madr. Journ. Lit. Sci. xi, 1840, p. 227 : Malabar Coast.

Distr.—Extra-limital.]

Dicæum concolor borneanum Lönn.

Dicaeum minullum borneanum Lönnberg, Sarawak Mus. Journ. iii, 1925, p. 1 : Mt. Murud, N. Sarawak.

Distr.—Malay States.

Sumatra.

Borneo; North Natuna Islands.*

Dicæum concolor sollicitans Hart.

Dicaeum sollicitans Hartert, Nov. Zool. viii, 1901, p. 52 : Mt. Gede, West Java.

Distr.—Java; Bali.

* A specimen from Bunguran Island, collected by Everett has been examined.

Genus **ANAIMOS** Reichenbach.¹

Anaimos percussus (Temm.). Crimson-breasted Flower-pecker.

Anaimos percussus percussus (Temm.).

Pardalotus percussus Temminck, Pl. Col. 394, 1826: Java.

Distr.—Java.

Anaimos percussus ignicapillus (Eyton).

Dicaeum ignicapilla Eyton, Proc. Zool. Soc. 1839, p. 105: Malacca.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Billiton; Banka.

Borneo; North Natuna Islands.

Anaimos xanthopygius (Salvad.). Yellow-rumped Flower-pecker.

Anaimos xanthopygius xanthopygius (Salvad.).

Prionochilus xanthopygius Salvadori, Att. R. Accad. Sci. Torino, iii, 1868, p. 416: Sarawak.

Distr.—Borneo; North Natuna Islands.

Anaimos thoracicus (Temm.). Scarlet-breasted Flower-pecker.

Pardalotus thoracicus Temminck, Pl. Col. 600, 1836: Borneo.

Distr.—Malay States.

Billiton Island.

Borneo.

Anaimos maculatus (Temm.). Yellow-throated Flower-pecker.

Anaimos maculatus maculatus (Temm.).

Pardalotus maculatus Temminck, Pl. Col. 600, 1836: Borneo.

Distr.—Malay Peninsula.

Sumatra; Billiton.

Borneo.

Anaimos maculatus septentrionalis (Rob. and Kloss).

Prionochilus maculatus septentrionalis Robinson and Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 206: Chumporn, Peninsular Siam.

Distr.—Peninsular Siam.

Anaimos maculatus natunensis (Chas.).

Charitociris maculata natunensis Chasen, Bull. Raffles Mus., 9, 1935, p. 95: Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

¹ Cf. Oberh., Ohio Journ. Sci. xxiii, 1923, p. 287.

**Anaimos maculatus opistatus* (Oberh.).

Anaimos maculatus opistatus Oberholser, Smiths. Misc. Coll. ix, no. 7, 1912, p. 22 : Nias Island.

Distr.—Nias Island, West Sumatra.

Genus **PIPRISOMA** Blyth.

Piprisoma modestum (Hume).¹

Hume's Flower-pecker.

Piprisoma modestum modestum (Hume).

Prionochilus modestus Hume, Stray Feathers, iii, 1875, p. 298 : South Tenasserim.

Distr.—Peninsular Siam.

Piprisoma modestum finschii (Bartels).

Dicaeum Finschii Bartels, Orn. Monatsbr. xxii, 1914, p. 125 : Wynkoops Bay, West Java.

Piprisoma modestum remotum Robinson and Kloss, Journ. Fed. Malay States Mus. vi, 1915, p. 29 : Negri Sembilan.

Distr.—Malay States.

Java (west).

Piprisoma agile (Tick.).

Thick-billed Flower-pecker.

[**Piprisoma agile agile** (Tick.).

Fringilla Agilis Tickell, Journ. Asiat. Soc. Bengal, ii, 1833, p. 578 : Borabhum.

Distr.—Extra-limital.]

Piprisoma agile sordidum Rob. and Kloss.

Piprisoma sordidum Robinson and Kloss, Journ. Fed. Malay States Mus. vii, 1918, p. 239 : Selangor, Malay States.

Distr.—Malay States.

Rhio Archipelago.

Piprisoma agile everetti (Sharpe).

Prionochilus everetti Sharpe, Ibis, 1877, p. 16 : Labuan Island.

Distr.—Borneo.

Piprisoma agile bungurense Chas.

Piprisoma agile bungurense Chasen, Bull. Raffles Mus. 9, 1934, p. 96 : Bunguran Island, North Natuna Island.

Distr.—North Natuna Islands.

¹ This species is confused with *P. agile* in Faun. Brit. Ind., Bds. (2nd ed.), vii, 1930, p. 294.

Family NECTARINIIDÆ.

Genus **CHALCOSTETHA** Cabanis.

Chalcostetha calcostetha (Jard.). Macklot's Sunbird.

Chalcostetha calcostetha calcostetha (Jard.).

Nectarinia calcostetha Jardine, Nat. Libr. Ornith. xiii, 1843, p. 263 : Java (tom. cit. p. 274).

Nectarinia pectoralis (not Horsf. 1821) Temm., Pl. Col. 138, 1822 : Java. *Nectarinia insignis* Jard., Nat. Libr. Orn. xiii, 1843, p. 274 : (new name for *pectoralis* Temm.).

Cinnyris macklotii Bp., Consp. Gen. Av. i, 1850, p. 408 : (new name for *pectoralis* Temm.).

Distr.—Malay Peninsula.

Sumatra; Rhio and Lingga Archipelagos; Billiton.

Borneo; Karimata Islands.

Java; Karimon-Java Islands.

Chalcostetha calcostetha proxima Riley.

Chalcostetha calcostetha proxima Riley, Proc. Biol. Soc. Wash. xl, 1927, p. 141 : Derawan Island, North-east Borneo.

Chalcostetha calcostetha halitupa Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 110 : Brian Island, South Natuna Islands.

Distr.—Maratua Islands, East Borneo; Natuna Islands.

Chalcostetha calcostetha pagicola Oberh.

Chalcostetha calcostetha pagicola Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 17 : North Pagi Island.

Chalcostetha calcostetha sibiru Chasen and Kloss, Ibis, 1926, p. 297 : Siberut Island, West Sumatra.

Distr.—West Sumatran islands of Nias, Batu group, and Mentawi group.

***Chalcostetha calcostetha heliomarpta** Oberh.

Chalcostetha calcostetha heliomarpta Oberholser, Journ. Wash. Acad. Sci. xiii, 1923, p. 229 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

Genus **AETHOPYGA** Cabanis.

Aethopyga saturata (Hodgs.). Black-breasted Sunbird.

[**Aethopyga saturata saturata** (Hodgs.).

Cinnyris saturata Hodgson, Ind. Rev. ii, 1837, p. 273 : Nepal.

Distr.—Extra-limital.]

Aethopyga saturata anomala Richm.

Aethopyga anomala Richmond, Proc. U.S. Nat. Mus. xxii, 1900,
p. 319: Trang, Peninsular Siam.

Distr.—Peninsular Siam.

Aethopyga saturata wrayi Sharpe.

Aethopyga wrayi Sharpe, Proc. Zool. Soc. 1887, p. 440, pl. 38, fig.
2: Perak, Malay States.

Distr.—Malay States.

Aethopyga mystacalis (Temm.).¹

Scarlet Sunbird.

Aethopyga mystacalis mystacalis (Temm.).

Nectarinia mystacalis Temminck, Pl. Col. 126, 1822: Java.

Aethopyga lodoisia Salvad., Ibis, 1865, p. 548: Java.

Distr.—Java.

Aethopyga mystacalis temmincki (S. Müll.).

Nectarinia temmincki Sal. Müller, Verh. Nat. Gesch. Land-
Volk. 1843, p. 173, note = Sumatra.

Aethopyga mystacalis perrettii Harri-
son and Hartley, Bull. B. O. Cl.
liv, 1934, p. 158: Mt. Dulit, Sarawak.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Aethopyga eximia (Horsf.).²

Kuhl's Sunbird.

Nectarinia eximia Horsfield, Trans. Linn. Soc. Lond. xiii, 1821,
p. 168: Java.

Nectarinia kuhlii Temm., Pl. Col. 376, 1825: Java.

Distr.—Java.

¹ In the present state of our knowledge these scarlet sunbirds are difficult to arrange in species. In some respects *mystacalis* and *siparaja* seem closer than do *mystacalis* and *temmincki*, but *mystacalis* and *siparaja* occur together in West Java.

² Good series of this bird are available for comparison, from Sumatra, Borneo (including topotypes of "*perrettii*") and the Malay Peninsula and I cannot make any separation, in either sex, on colour, or size. In old skins the red parts of the plumage are usually paler than in recently collected specimens. In the British Museum, old skins from Mt. Dulit are paler than the newer material collected by Messrs. Harri-
son and Hartley.

³ This is a very distinct species. Its nearest relative is, perhaps, *A. nipalensis*.

Aethopyga siparaja (Raffles).

Raffles' Sunbird.

Aethopyga siparaja siparaja (Raffles).

Certhia siparaja Raffles, Trans. Linn. Soc. xiii, 1821, p. 299 : Sumatra.

Aethopyga eupogon Cab., Mus. Hein. i, 1850, p. 103 : Borneo.

Aithopyga chalcopogon Reichenb., Handb. Scans. 1854, p. 303, pl. 586 : Borneo.

Aethopyga siparaja tinoptila Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 18 : Siumut Island, West Sumatra.

Aethopyga siparaja melanetra Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 18 : Lasia Island, West Sumatra.

Aethopyga siparaja ochropyrrha Oberh., Bull. U.S. Nat. Mus. 98, 1917, p. 65 : Rittan Island, Anamba Islands.

Aethopyga siparaja heliophiletica Oberh., Journ. Wash. Ac. Sci. xiii, 1923, p. 231 : Bangkaru Island, Banjak Islands, West Sumatra.

Distr.—Malay Peninsula; Anamba Islands.

Sumatra; Rhio Archipelago; Billiton; West Sumatran islands of Simalur, Babi, Lasia, and Banjak group.

Borneo; Banguay Island; Maratua Islands; Karimata Islands.

Aethopyga siparaja cara Hume.

Aethopyga cara Hume, Stray Feathers, ii, 1875, p. 473 : South of Moulmein, Tenasserim.

Distr.—Peninsular Siam.

Aethopyga siparaja niasensis Hart.

Aethopyga siparaja niasensis Hartert, Orn. Monatsbr. vi, 1898, p. 92 : Nias Island.

Distr.—Nias Island, West Sumatra.

Aethopyga siparaja photina Oberh.

Aethopyga siparaja photina Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 18 : North Pagi Island.

Aethopyga siparaja siberu Chasen and Kloss, Ibis, 1926, p. 298 : Siberut Island, West Sumatra.

Distr.—West Sumatra islands of Siberut, Sipora, North and South Pagi.

***Aethopyga siparaja heliogona** Oberh.

Aethopyga siparaja heliogona Oberholser, Journ. Wash. Acad. Sci. xiii, 1923, p. 232 : Java.

Distr.—Java (west).

Aethopyga siparaja natunæ Chas.

Aethopyga siparaja natunæ Chasen, Bull. Raffles Mus. 9, 1934, p. 97 : Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

Aethopyga nipalensis (Hodgs.). Yellow-backed Sunbird.

[**Aethopyga nipalensis nipalensis** (Hodgs.).

Cinnyris nipalensis Hodgson, Ind. Rev. ii, 1837, p. 273: Nepal.

Distr.—Extra-limital.]

Aethopyga nipalensis australis Rob. and Kloss.

Aethopyga nipalensis australis Robinson and Kloss, Bull. Brit. Orn.

Cl. xlv, 1923, p. 14: Nakon Sritamarat, Peninsular Siam.

Distr.—Peninsular Siam.

Genus **LEPTOCOMA** Cabanis.

Leptocoma brasiliana (Gmel.).¹ Van Hasselt's Sunbird.

Leptocoma brasiliana brasiliana (Gmel.).

Certhia brasiliana Gmelin, Syst. Nat. i, pt. 1, 1788, p. 474: Brasil
error=Java (Oberh., 1912).

Nectarinia hasseltii Temm., Pl. Col. 376, 1825: Java.

Cinnyris ruber Less., Traité d'Orn. 1830, p. 296: Java.

Cinnyris brasiliana hypolampis Oberh., Smiths. Misc. Coll. lx, No. 7,
1912, p. 19: South Pagi Island, West Sumatra.

Distr.—Malay Peninsula; Tioman Island.

Sumatra; Billiton; Banka; Rhio and Lingga Archipelagos;
West Sumatran islands of Siberut, Sipora and North and
South Pagi.

Borneo.

Java.

Leptocoma brasiliana axantha (Oberh.).

Cinnyris brasiliana axantha Oberholser, Bull. U.S. Nat. Mus. 159,
1932, p. 114: Natuna Islands.

Distr.—Natuna Islands.

***Leptocoma brasiliana eumecis** (Oberh.).

Cinnyris brasiliana eumecis Oberholser, Bull. U.S. Nat. Mus. 98,
1917, p. 63: Siantan Island, Anamba Islands.

Distr.—Anamba Islands.

***Leptocoma brasiliana mecynorhyncha** (Oberh.).

Cinnyris brasiliana mecynorhyncha Oberholser, Smiths. Misc. Coll.
lx, no. 7, 1912, p. 19: Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Leptocoma brasiliana oenopa** (Oberh.).

Cinnyris brasiliana oenopa Oberholser, Smiths. Misc. Coll. lx, no.
7, 1912, p. 18: Nias Island.

Distr.—Nias Island, West Sumatra.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 116.

Leptocoma brasiliiana sperata (Linn.). Philippine Sunbird.

Certhia sperata Linn., Syst. Nat. 12th. ed. 1766, p. 186: Philippine Islands.

Distr.—Maratua Island, East Borneo.

Leptocoma jugularis (Linn.).¹ Yellow-breasted Sunbird.

[**Leptocoma jugularis jugularis** (Linn.).

Certhia jugularis Linn., Syst. Nat. 12th. ed. 1766, p. 185: Philippine Islands.

Distr.—Extra-limital.]

Leptocoma jugularis pectoralis (Horsf.).

Nectarinia pectoralis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 167: Java.

Cinnyris ornatus Less., Dict. Sci. Nat. i, 1827, p. 15: Java.

Nectarinia eximia (not Horsf. 1821) Temm., Pl. Col. 138, 1822: Java.

Cinnyris luteoventer Less., Traité d'Orn. 1830, p. 298: Sunda Islands=Java.

Distr.—Java; Bali; Kangean Islands; Bawean Island.

Leptocoma jugularis flammixillaris (Blyth).

Nectarinia flammixillaris Blyth, Journ. Asiatic Soc. Bengal, xiv, 1845, p. 557 (nom. for descrip. tom. cit. p. 979): Tenasserim.

Distr.—Malay Peninsula (south to Penang).²

Leptocoma jugularis microleuca (Oberh.).

Cinnyris ornata microleuca Oberholser, Proc. U.S. Nat. Mus. lv, 1919, p. 273: Taya Island, South-east Sumatra.

Cinnyris ornata heliobleta Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 230: Trengganu, Malay Peninsula.

Cinnyris ornata heliomanis Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 231: East Borneo.

Cinnyris ornata sapega Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 112: Subi Island, South Natuna Islands.

Distr.—Malay States; Tioman Island.

Sumatra; Taya Island, S.E. Sumatra; Rhio and Lingga Archipelagos.

Borneo; North Bornean Islands; Natuna Islands; Mangalum Island; Karimata Islands.

***Leptocoma jugularis heliozeteta** (Oberh.).

Cinnyris ornata heliozeteta Oberholser, Journ. Wash. Acad. Sci. xiii, 1923, p. 231: Banka Island.

Distr.—Banka Island.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 113.

² The division between *flammixillaris* and *microleuca* in the north of the Malay Peninsula is rather vague.

***Leptocoma jugularis polyclysta** (Oberh.).

Cinnyris ornata polyclysta Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 18: Engano Island.

Distr.—Engano Island, West Sumatra.

Genus **ANTHREPTES** Swainson.

Anthreptes macularia Blyth.

Purple-naped Sunbird.

Anthreptes macularia macularia Blyth.

Anthreptes macularia Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 106: Malacca.

Anthreptes nuchalis Blyth, Journ. Asiat. Soc. Bengal, xii, 1843, p. 980: Singapore.

Distr.—Malay Peninsula.

Anthreptes macularia hypogrammica (S. Müll.).

Nectarinia hypogrammica S. Müller, Verh. Nat. Gesch. Land en Volk. 1843, p. 173: Sumatra.

Anthreptes hypogrammica intensior Hart., Bull. B. O. Cl. xxxviii, 1917, p. 27: Sarawak.

Distr.—Sumatra.

Borneo.

Anthreptes macularia natunensis Chas.

Anthreptes macularia natunensis Chasen, Bull. Raffles Mus. x, 1935, p. 43: Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

Anthreptes simplex (S. Müll.).¹

Plain-coloured Sunbird.

Anthreptes simplex simplex (S. Müll.).

Nectarinia simplex S. Müller, Verh. Nat. Gesch. Land en Volk. 1843, p. 173: Sumatra.

Nectarinia frontalis Blyth, Journ. Asiat. Soc. Bengal, xiv, 1845, p. 558: Singapore.

Anthreptes simplex simplicior Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 229: Central Borneo.

Anthreptes simplex euthapsinus Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 107: Bunguran Islands, Natuna Islands.

Distr.—Malay Peninsula.

Sumatra; Nias.

Borneo; North Natuna Islands.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 108.

Anthreptes malacensis (Scop.). Brown-throated Sunbird.

Anthreptes malacensis malacensis (Scop.).¹

Certhia malacensis Scopoli, Del. Flor. et Faun. Insubr. ii, 1786, p. 91: Malacca.

Nectarinia javanica Horsf., Trans. Linn. Soc. xiii, 1821, p. 167: Java.

Anthreptes malacensis anambae Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 61: Mobur Island, Anamba Islands.

Anthreptes malacensis nesaensis Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 20: Pagi Islands, West Sumatra.

Distr.—Malay Peninsula; Tioman Island; Anamba Islands.

Sumatra; Rhio and Lingga Archipelagos; Billiton; Banka; Mentawi Islands, West Sumatra.

Borneo (not north); Karimata Islands.

Java; Bali; Kangean Islands.

Anthreptes malacensis bornensis Riley.

Anthreptes malacensis bornensis Riley, Proc. Biol. Soc. Wash. xxxiii, 1920, p. 55: Sandakan, North Borneo.

Distr.—Borneo (north); North Bornean Islands; Mangalum Island.

Anthreptes malacensis erixanthus Oberh.

Anthreptes malacensis erixanthus Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 109: Bunguran Island, Natuna Islands.

Distr.—Natuna Islands.

Anthreptes malacensis mjobergi Bangs and Petrs.

Anthreptes malacensis mjobergi Bangs and Peters, Occ. Pap. Boston Soc. Nat. Hist. v, 1927, p. 240: Maratua Island, East Borneo.

Distr.—Maratua Islands, East Borneo.

Anthreptes malacensis baweanus Oberh.

Anthreptes malacensis baweanus Oberholser, Proc. U.S. Nat. Mus. lii, 1917, p. 196: Bawean Island.

Distr.—Bawean Island; Karimon-Java Islands.

***Anthreptes malacensis pelloptilus** Oberh.

Anthreptes malacensis pelloptilus Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 20: Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Anthreptes malacensis pollostus** Oberh.

Anthreptes malacensis pollostus Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 21: Nias Island.

Distr.—Nias Island, West Sumatra.

Anthreptes rhodolæma Shelley.

Shelley's Sunbird.

Anthreptes rhodolæma rhodolæma Shelley.

Anthreptes rhodolæma Shelley, Monogr. Nectariniidae, 1878, p. 313, pl. 101: Malacca.

Anthreptes rhodolæma aenea Riley, Proc. Biol. Soc. Wash. xlvii, 1934, p. 116: Labuan Klambu, Dutch East Borneo.¹

Distr.—Malay Peninsula.
Sumatra.
Borneo.

Genus **CHALCOPARIA** Cabanis.

Chalcoparia singalensis (Gmel.).²

Ruby-cheek.

Chalcoparia singalensis singalensis (Gmel.).

Motacilla singalensis Gmelin, Syst. Nat. i, 1788, p. 964: Ceylon, error = Malacca (*Oberholser*, 1912).

Distr.—Malay Peninsula.

Chalcoparia singalensis interposita Rob. and Kloss.

Chalcoparia singalensis interposita Robinson and Kloss, Journ. Fed. Malay States Mus., x, 1921, p. 209: Takuapa, west coast of Peninsular Siam.

Distr.—Peninsular Siam.

Chalcoparia singalensis sumatrana Kloss.

Chalcoparia singalensis sumatrana Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 209: Ophir district, Central Sumatra.

Distr.—Sumatra; Billiton; Nias (? subsp.), West Sumatra.

Chalcoparia singalensis borneana Kloss.

Chalcoparia singalensis borneana Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 209: Samarahan, Sarawak.

Distr.—Borneo (perhaps not the west); Banguay Island.

Chalcoparia singalensis pallida Chas.

Chalcoparia singalensis pallida Chasen, Bull. Raffles Mus. 9, 1934, p. 95: Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

Chalcoparia singalensis phœnicotis (Temm.).

Nectarinia phœnicotis Temminck, Pl. Col. 108, 1822: Java.

Distr.—Java.

¹ I cannot separate birds from the Malay Peninsula, Sumatra, Sarawak and British North Borneo.

² Cf. Kloss, Journ. F.M.S. Mus. x, 1921, p. 209 and Bull. B. O. C. 1, 1930, p. 69.

**Chalcoparia singalensis panopsia* Oberh.

Chalcoparia singalensis panopsia Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 21: Tuanku Island; Banjak Islands, West Sumatra.

Distr.—Banjak Islands, West Sumatra.

Genus **ARACHNOTHERA** Temminck.

Arachnothera longirostra (Lath.).¹ Little Spider-hunter.

Arachnothera longirostra longirostra (Lath.).

Certhia longirostra Latham, Ind. Orn. i, 1790, p. 299: Bengal.

Cinnyris cinereicollis Vieill., Nov. Dist. Hist. Nat. xxxi, 1819, p. 502: Malacca.

Arachnothera longirostris melanchima Oberh., Smith. Misc. Coll. lx, No. 7, 1912, p. 19: East Sumatra.

Arachnothera longirostra exochra Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 19: South Pagi Island.

Arachnothera longirostra hypochra Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 19: North Pagi Island.

Arachnothera longirostris antelia Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 227: Trang, Peninsular Siam.

Arachnothera longirostris heliocrita Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 228: Singapore Island.

Distr.—Malay Peninsula.

Sumatra; Lingga; Banka; Billiton; Mentawi Islands.

Arachnothera longirostra büttikoferi van Oort.

Arachnothera longirostra büttikoferi van Oort, Notes Leyden Mus. xxxii, 1910, p. 195: Borneo.

Distr.—Borneo.

Arachnothera longirostra prillwitzi Hart.

Arachnothera longirostra prillwitzi Hartert, Nov. Zool. viii, 1901, p. 51: Java.

Distr.—Java.

Arachnothera longirostra rothschildi van Oort.

Arachnothera longirostra rothschildi van Oort, Notes Leyden Mus. xxxii, 1910, p. 195: Bunguran Island, North Natuna Islands.

Distr.—North Natuna Islands.

***Arachnothera longirostra atita** Oberh.

Arachnothera longirostra atita Oberholser, Bull. U.S. Nat. Mus. 159, 1932, p. 104: Sirhassen Island, South Natuna Islands.

Distr.—South Natuna Islands.

¹ Cf. Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 106.

***Arachnothera longirostra zarhina** Oberh.

Arachnothera longirostra zarhina Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 19: Bangkaru Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

Arachnothera longirostra niasensis van Oort.

Arachnothera longirostra niasensis van Oort, Notes Leyden Mus. xxxii, 1910, p. 195: Nias Island.

Distr.—Nias Island, West Sumatra.

Arachnothera magna (Hodgs.). Large Streaked Spider-hunter.

Arachnothera magna magna (Hodgs.).¹

Cinnyris magna Hodgson, Ind. Rev. ii, 1837, p. 272: Nepal.

Distr.—Malay States.

Arachnothera affinis (Horsf.). Grey-breasted Spider-hunter.

Arachnothera affinis affinis (Horsf.).

Cinnyris affinis Horsfield, Trans. Linn. Soc. xiii, 1821, p. 166: Java.

Nectarinia inernata (sic) Temm., Pl. Col. 84, fig. 2, 1821: Java.

Distr.—Java; Bali.

Arachnothera affinis modesta (Eyton).

Anthreptes modesta Eyton, Proc. Zool. Soc. 1839, p. 105: Malacca.

Arachnothera latirostris Blyth, Journ. Asiat. Soc. Beng. xii, 1843, p. 982: Singapore.

Arachnothera concolor Schleg., Veth's Midden-Sumatra, Aves, Pl. 1: Sumatra.

Arachnothera affinis heliophilus Oberh., Journ. Wash. Acad. Sci. xiii, 1923, p. 226: North-west Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo (part).

Arachnothera affinis everetti (Sharpe).²

Arachnoraphis everetti Sharpe, Ibis, 1893, p. 561: Mt. Kinabalu, North Borneo.

Distr.—Borneo (part).

¹ It is noteworthy that the Malayan form seems not to be *A. m. aurata* Blyth, Journ. Asiat. Soc. Bengal, xxiv, 1855, p. 478 (Pegu).

² While I think that *everetti* is only a subspecies of *A. affinis* the ranges of *A. a. modesta* and *A. a. everetti* seem curiously complicated in Borneo: the latter seems to be a mountain form descending into the lowlands in the northern part of the island.

Arachnothera chrysogenys (Temm.). Yellow-eared Spider-hunter.

Arachnothera chrysogenys chrysogenys (Temm.).

Nectarinia chrysogenys Temminck, Pl. Col. 388, 1826: Java.

Cinnyris longirostra Horsf., Trans. Linn. Soc. xiii, 1821, p. 167: Java.

Arachnothera flavigenis Swains., Ann. Birds, ii, 1837, p. 329: nom. nov.

Arachnothera chrysogenys copha Oberh., Smiths. Misc. Coll. lx, No. 7,

1912, p. 20: North-west Sumatra.

Arachnothera chrysogenys isopega Oberh., Smiths. Misc. Coll. lx, No. 7,

1912, p. 20: Pagi Islands, West Sumatra.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Mentawi Islands, West Sumatra.
Borneo.

Java.

***Arachnothera chrysogenys pleoxantha** Oberh.

Arachnothera chrysogenys pleoxantha Oberholser, Smiths. Misc.

Coll. lx, no. 7, 1912, p. 20: Nias Island.

Distr.—Nias Island, West Sumatra.

Arachnothera juliae Sharpe.

Whitehead's Spider-hunter.

Arachnothera juliae Sharpe, Ibis, 1887, p. 451, pl. 14: Mt. Kinabalu,
North Borneo.

Distr.—Borneo.

Arachnothera robusta Müll. and Schleg. Long-billed Spider-hunter.

Arachnothera robusta robusta (Müll. and Schleg.).

Arachnothera robusta Müller and Schlegel, Verh. Nat. Gesch.

Zool. (Aves), 1845, p. 68, pl. xi, fig. i: West Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Arachnothera robusta armata Müll. and Schleg.

Arachnothera armata Müller and Schlegel, Verh. Nat. Gesch. Zool.

(Aves), 1845, p. 68, pl. xi, fig. 2: Pangerango, West Java.

Arachnothera uropygialis Gray, Gen. Birds, i, 1847, pl. 33: Java.

Distr.—Java.

Arachnothera crassirostris (Reichenb.). Thick-billed Spider-hunter.

Arachnocestra crassirostris Reichenbach, Handb. Scans. 1854, p.

314, no. 747, pl. 592, fig. 4016: India, error=Sumatra (*Rob.*
and Kloss, 1924).

Arachnothera temminckii Horsf. and Moore, Cat. Bds. Mus. East Ind.

Coy., ii, 1856, p. 728: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Arachnothera flavigaster (Eyton). Greater Yellow-eared Spider-hunter.
Anthreptes flavigaster Eyton, Proc. Zool. Soc. 1839, p. 105 :
 Malacca.

Arachnothera latirostris Reichb., Handb. Scans. 1854, p. 316, No. 747,
 pl. 593, figs. 4024—25 : Malacca.

Arachnothera eytonii Salvad., Ann. Mus. Civ. Gen. v, 1874, p. 182 (nom.
 nov.).

Arachnothera simillima Hume, Str. Feaths. v, 1877, p. 487 : Malacca.

Arachnothera flaviventris Gadow, Cat. Bds. Brit. Mus. ix, 1884, p. 109
 (nom. nov.).

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Family MELIPHAGIDÆ.

Genus **LICHMERA** Cabanis.

Lichmera indistincta (Vig. and Horsf.).¹ Brown Honey-eater.

[**Lichmera indistincta indistincta** (Vig. and Horsf.).

Meliphaga indistincta Vigors and Horsfield, Trans. Linn. Soc. xv,
 p. 315, 1827 : South-west Australia.

Distr.—Extra-limital.]

***Lichmera indistincta limbata** S. Müll.

Meliphaga limbata S. Müller, Verh. Nat. Gesch. Land en Volk.,
 1843, p. 162 : Timor.

Distr.—Bali.

Family MOTACILLIDÆ.

Genus **MOTACILLA** Linn.

Motacilla alba Linn.

White Wagtail.

[**Motacilla alba alba** Linn.

Motacilla alba Linn., Syst. Nat. 10th. ed. 1758, p. 184 : Sweden.

Distr.—Extra-limital.]

Motacilla alba ocularis Swinh.

Motacilla ocularis Swinhoe, Ibis, 1860, p. 55 : Amoy.

Distr.—Borneo; Banguay Island, North Borneo.

Motacilla cinerea Tunst.

Grey Wagtail.

[**Motacilla cinerea cinerea** Tunst.

Motacilla cinerea Tunstall, Orn. Brit. 1771, p. 2 : Great Britain.

Distr.—Extra-limital.]

¹ Cf. Stres., Nov. Zool. xix, 1912, p. 342.

Motacilla cinerea melanope Pall.¹

Motacilla Melanope Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 696 : Siberia.

Motacilla bistrigata Raffles, Trans. Linn. Soc. xiii, 1822, p. 312 : Sumatra.
Pallemura javensis Bp., Consp. Av. i, 1850, p. 250 : Java (nom nud.).

Distr.—Malay Peninsula; Anamba Islands; Tambelan Islands.
Sumatra; Simalur, Sipora, and Nias Islands, West Sumatra.
Borneo.
Java; Bali; Christmas Island.

Motacilla flava Linn.

[**Motacilla flava flava** Linn.

Motacilla flava Linn., Syst. Nat. 10th. ed. 1758, p. 185 : Sweden.

Distr.—Extra-limital.]

Motacilla flava taivana (Swinh.).²

Green-headed Wagtail.

Budytes taivanus Swinhoe, Proc. Zool. Soc. 1863, pp. 274 and 334 : Formosa.

Budytes melanotis Swinhoe, Ibis, 1864, p. 422 : Singapore.

Distr.—Malay Peninsula.
Sumatra.

Motacilla flava simillima Hart.³

Blue-headed Wagtail.

Motacilla flava simillima Hartert, Vög. pal. Fauna, i, 1905, p. 289 : Sulu Islands.

Distr.—Malay Peninsula; Anamba Islands.
Sumatra; Simalur and Mentawi Islands, West Sumatra;
Billiton.
Borneo; Natuna Islands.
Java; ? Bali; Karimon-Java Islands; Christmas Island.

Motacilla flava macronyx (Stres.).⁴

Grey-headed Wagtail.

Budytes flavus macronyx Stresemann, Avif. Macedon., 1920, p. 76 : Vladivostock.

Distr.—Malay Peninsula.
Java.

¹ See G. L. Bates, Bull. B. O. Cl. lv, 1934, p. 46 wherein a fine point of systematics is raised. We have adopted the name geographically most appropriate.

² We have not seen this form from Borneo or Java and can trace no reliable records.

³ This seems to be the common form of *M. flava* in Malaysia, but we have seen few adults: these, however, are apparently *simillima* and not *plexa* Thayer and Bangs. *M. f. macronyx* and *taivana* are rarer (in the Malay Peninsula at least) but the former seems to be more numerous in the north than in the south. We have seen a good series of it from Bangkok, Siam.

⁴ Only one or two adults are known from the Malay States. Series from Siam seem to be *macronyx* rather than *thunbergi* (*borealis* olim).

Genus **DENDRONANTHUS** Blyth.

Dendronanthus indicus (Gmel.). Forest Wagtail.

Motacilla indica Gmelin, Syst. Nat. i, pt. 2, 1789, p. 962: India.

Distr.—Malay Peninsula.

Sumatra; Simalur, Banjak Islands, Nias, and Mentawi Islands, West Sumatra.

Borneo.

Java.

Genus **ANTHUS** Bechstein.

Anthus hodgsoni Richm. Tree-Pipit.

[**Anthus hodgsoni hodgsoni** Richm.

Anthus hodgsoni Richmond, Publ. Carnegie Inst. Wash. No. 54, 1907, p. 493: new name for *A. maculatus* Jerdon: Nepal.

Distr.—Extra-limital.]

Anthus hodgsoni ? inopinatus Hart. and Steinb.¹

Anthus hodgsoni inopinatus Hartert and Steinbacher, Vög. pal. Faun., Ergänzungsband, Heft 2, 1933, p. 138: Sachalin.

Distr.—Malay Peninsula.

Anthus novaeseelandiae (Gmel.).² Richard's Pipit.

[**Anthus novaeseelandiae novaeseelandiae** (Gmel.).

Alauda novae Seelandiae Gmelin, Syst. Nat. i, pt. ii, 1789, p. 799: New Zealand.

Distr.—Extra-limital.]

Anthus novaeseelandiae sinensis (Bp.).³

Corydalla sinensis Bonaparte, Consp. Gen. Avium, i, 1850, p. 247: Southern China.

Distr.—Peninsular Siam.

Sumatra.⁴

Anthus novaeseelandiae malayensis Eyton.

Anthus Malayensis Eyton, Proc. Zool. Soc. 1839, p. 104: Malacca.

Anthus euonyx Cab., Mus. Hein. i, 1850, p. 14: Java.

Anthus hasseltii Schleg., Handl. Dierk. i, 1857, p. 263: Java.

Distr.—Malay Peninsula.

Sumatra; Rhio Archipelago; Nias Island, West Sumatra.

Borneo.

Java.

¹ The few winter birds known from the Malay Peninsula are here, tentatively, referred to *inopinatus* purely on geographic grounds. *A. hodgsoni* is, perhaps, only a subspecies of *A. trivialis* Linn.

² Revisions: Stres., Nov. Zool. xix, 1932, p. 315; Meinert., Ibis, 1921, p. 651.

³ *A. n. richardi* Vieill. occurs in South-west Siam and therefore will almost certainly be found in our area.

⁴ New record.

Anthus novaeseelandiae albidus Stres.

Anthus richardi albidus Stresemann, Nov. Zool. xix, 1912, p. 316 : South Flores.

Distr.—Bali.

Anthus campestris (Linn.).

Tawny Pipit.

[**Anthus campestris campestris** (Linn.).

Alauda campestris Linn., Syst. Nat. 10th. ed. 1758, p. 166 : Sweden.

Distr.—Extra-limital.]

Anthus campestris striolatus Blyth.

Anthus striolatus Blyth, Journ. Asiat. Soc. Bengal, xvi, 1847, p. 435 : Darjiling.

Distr.—Christmas Island, Indian Ocean.²

Anthus gustavi Swinh.

Siberian Pipit.

***Anthus gustavi gustavi** Swinh.

Anthus gustavi Swinhoe, Proc. Zool. Soc. 1863, p. 90 : Amoy.

Distr.—Borneo.

Anthus rufogularis Brehm.

Red-throated Pipit.

Anthus rufogularis Brehm, Lebrb. Naturg. eur Vög. ii, 1824, p. 963 : Nubia.

Distr.—Peninsular Siam.

Family ALAUDIDÆ.

Genus MIRAFA Horsfield.

Mirafra javanica Horsf.

Bush-Lark.

Mirafra javanica javanica Horsf.¹

Mirafra javanica Horsfield, Trans. Linn. Soc. xiii, 1821, p. 159 : Java.

Alauda mirafra Temm., Pl. Col. 305, 1824 : Java.

Mirafra borneensis Swinh., Ann. Mag. Nat. Hist. (4) vii, 1871, p. 257 : Banjermasin, South Borneo.

Distr.—Borneo (south).

Java; Bali.

¹ *Mirafra cantillans williamsoni* Baker, Bull. Brit. Orn. Cl. xxxvi, 1915, p. 9 (Bangkok) is extremely close to this form.

² One specimen only, a puzzling bird and identification not absolutely certain. Formerly recorded as *malayensis*.

FRINGILLIDÆ.

Family FRINGILLIDÆ.

Genus **SERINUS** Koch.

- *Serinus estherae** (Finsch). Javan Greenfinch.
Crithagra Estherae Finsch, Notes Leyd. Mus. xxiii, 1902, p. 151:
 West Java.
Distr.—Java (west).

Genus **PASSER** Brisson.

- Passer montanus** (Linn.). Tree-Sparrow.
[Passer montanus montanus (Linn.).
Fringilla montana Linn., Syst. Nat. 10th. ed. 1758, p. 183: Italy.
Distr.—Extra-limital.]
Passer montanus malaccensis¹ Dub.
Passer malaccensis Dubois, Fauna Ill. Vert. Belg., Ois. 1, 1885,
 p. 572: Malacca.
Distr.—Malay Peninsula.
 Sumatra; Rhio Archipelago.
 Java; Bali.
Passer flaveolus Blyth. Pegu House-Sparrow.
Passer flaveolus Blyth, Journ. Asiat. Soc. Bengal, xiii, 1844, p.
 946: Arracan.
Distr.—Peninsular Siam.

Genus **PYRRHULA** Brisson.

- Pyrrhula nipalensis** Hodgs. Bullfinch.
[Pyrrhula nipalensis nipalensis Hodgs.
Pyrrhula nipalensis Hodgson, Asiat. Res. xix, 1836, p. 155: Nepal.
Distr.—Extra-limital.]
Pyrrhula nipalensis waterstradti Hart.
Pyrrhula waterstradti Hartert, Bull. Brit. Orn. Cl. xii, 1902, p. 69:
 Mt. Tahan, Malay States.
Distr.—Malay States.

Genus **EMBERIZA** Linn.

- Emberiza aureola** Pall. Yellow-breasted Bunting.
Emberiza aureola aureola Pall.²
Emberiza Aureola Pallas, Reise Prov. Russ. Reichs. ii, 1773, p. 711:
 Irtysh.
Distr.—Malay Peninsula.

¹ There seems to be no reliable record for Borneo.

² We have placed our birds under the typical race, but are not absolutely certain of their subspecific identity.

***Emberiza pusilla** Pall.

Little Bunting.

Emberiza pusilla Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 697 :
Daurian Alps.

Distr.—Borneo.

Family PLOCEIDÆ.

Genus **AMANDAVA** Blyth.

Amandava amandava (Linn.).¹

Amandavat.

[**Amandava amandava amandava** (Linn.).

Fringilla Amandava Linn., Syst. Nat. 10th. ed. 1758, p. 180 :
Bengal.

Distr.—Extra-limital.]

Amandava amandava punicea (Horsf.).

Fringilla punicea Horsf., Trans. Linn. Soc. xiii, 1821, p. 160 : Java.

Distr.—Sumatra (introd.).
Java; Bali.

Genus **PADDA** Reichenbach.

Padda oryzivora (Linn.).²

Java Sparrow.

Padda oryzivora oryzivora (Linn.).

Loxia oryzivora Linn., Syst. Nat. 10th. ed. 1758, p. 173 : "Asia" =
Java.

Loxia javensis Sparrm., Mus. Carls. iv, 1789, pl. 89 : Java.

Padda verecunda Reich., Singv. 1861, p. 41, pl. xv, fig. 133 : Java.

Oryzivora leucotis Jerd., Birds Brit. Ind., ii, 1863, p. 359 : China.

Distr.—Malay States.

Sumatra; Rhio Archipelago; Billiton.

Borneo.

Java; Bali; Kangean Islands; Christmas Island; Cocos-
Keeling Islands.

¹ Various forms of this species have been imported into Singapore but have died out.

² This species is now established in so many countries where it is not indigenous that its original natural range is now problematical, although there is reason for supposing that it was restricted to Java and Bali.

Genus **MUNIA** Hodgson.

Munia atricapilla (Vieill.). Black-headed Munia.

Munia atricapilla atricapilla (Vieill.).

Loxia atricapilla Vieillot, Ois. Chanteurs, 1807, p. 84, pl. 53 :
Lower Bengal (*restr. Rob. and Kloss, 1923*).

Distr.—Peninsular Siam.¹

Munia atricapilla sinensis Blyth.

Munia sinensis Blyth, Cat. Bds. Asiat. Soc. Bengal, 1849, p. 337 :
Penang.

Munia sumatrensis Bartlett, Monograph of Weaver Birds, 1888, p. 29,
pl. 5 : Sumatra.

Distr.—Malay States.
Sumatra (lowlands); Rhio Archipelago.

Munia atricapillaatakana Chas. and Kloss.

Munia atricapillaatakana Chasen and Kloss, Bull. Raffles Mus. ii,
1929, p. 23 : Brastagi, Battak Highlands, North Sumatra.

Distr.—Sumatra (mountains).

Munia atricapilla ferruginosa (Sparrrm.). Black-throated Munia.

Loxia ferruginosa Sparrrman, Mus. Carls. iv, 1789, pls. 90, 91 :
Java.

Fringilla majanoide Temm., Pl. Col. 500, 1830 : Java.

Distr.—Java; Bali.

Munia atricapilla minuta² (Mey.).

Fringilla minuta Meyen, Verh. Carol.-Leopold. Akad. d. Naturf.
xvi, 1834, Suppl. p. 86 t. 12 : Philippine Islands.

Distr.—Borneo; Natuna Islands.

Munia maja (Linn.). White-headed Munia.

Munia maja maja (Linn.).

Loxia Maja Linn., Syst. Nat. 12th. ed. i, 1766, p. 301 : East Indies
= Malacca (*restr. Rob. and Kloss, 1924*).

Loxia leucocephala Raffles, Trans. Linn. Soc. xiii, 1822, p. 314 : Sumatra.

Munia maja sapercna Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 521 :
Java.

Distr.—Malay Peninsula.

Sumatra; Nias.

Java; Bali.

¹ Perhaps here not quite *atricapilla* but *atricapilla* > *sinensis*.

² A review of this species is needed for the races seem curiously mixed in Malaysia, the Philippines, and Celebes. Birds from Borneo and the Natunas have been referred to *brunneiceps* Wald., of Macassar, Celebes, but some skins from North Borneo, and from the Natuna Islands are nearer to *minuta* (syn. *jagori*).

***Munia maja simalurensis** Oberh.

Munia. maja simalurensis Oberholser, Journ. Wash. Acad. Sci. xvi, 1926, p. 521: Simalur Island.

Distr.—Simalur Island, West Sumatra.

Munia punctulata (Linn.).¹

Spotted Munia.

Munia punctulata punctulata (Linn.).

Munia punctulata Linn., Syst. Nat. 10th. ed. 1758, p. 173: Asia = Java (Gmel., 1789).

Loxia undulata P. L. S. Müller, Syst. Nat. Anhang, 1776, p. 131: Java.

Loxia punctularia Gmel., Syst. Nat. i, pt. 2, 1789, p. 851: Java.

Munia nisoria Temm., Pl. Col. 500, fig. 2, 1830: Java.

Distr.—Java; Bali; Bawean Island.

Munia punctulata fretensis Kloss.

Munia punctulata fretensis Kloss, Treubia, xiii, 1931, p. 363: Kuala Lumpur, Selangor, Malay States.

Distr.—Malay States.³
Sumatra; Nias Island.

Munia striata (Linn.).

Sharp-tailed Munia.

[**Munia striata striata** (Linn.).

Loxia striata Linn., Syst. Nat. 12th. ed. i, 1766, p. 306: Ceylon.]

Munia striata subsquamicollis (Baker).

Uroloncha striata subsquamicollis Stuart Baker, Bull. Brit. Orn. Cl., xlv, 1925, p. 59: South Tenasserim.

Uroloncha acuticauda lepidota Oberh., Journ. Wash. Acad. xvi, 1926, p. 520: Trang, Peninsular Siam.

Distr.—Malay Peninsula.
Sumatra; Banka.

Munia leucogastra (Blyth).

White-bellied Munia.

Munia leucogastra leucogastra (Blyth).

Amandina leucogastra Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 286: Malacca.

Munia chrysura Blyth, Ibis, 1870, p. 172: nom. nud.

Distr.—Malay Peninsula.
Sumatra.
Borneo.⁴

¹ Revision: Stres., Nov. Zool. xix, 1912, p. 317.

² Reference to the two works indicates that Gmelin's *punctularia* is the same thing as *punctulata* Linn.

³ The form occurring at Koh Lak in South-west Siam is *subundulata* Godw. Aust., but unfortunately we have never seen birds from Peninsular Siam.

⁴ Apparently not common, but it occurs in the neighbourhood of Kuching in Sarawak.

Munia leucogastra leucogastroides Horsf. and Moore.

Munia leucogastroides Horsfield and Moore, Cat. Bds. Mus. East Ind. Coy. ii, 1856, p. 510: Java.

Trichogramoptila melanopygia Reichenb., Singv. 1861, pp. 39, 48. Taf. 17, figs. 153, 154: Sumatra.

Distr.—Sumatra.¹

Java; Bali.

Munia fuscans (Cass.).

Brown Munia.

Spermestes fuscans Cassin, Proc. Phil. Acad. vi, 1852, p. 185: Borneo.

Fringilla nigerima Cass., Proc. Phil. Acad. vi, 1852, p. 185: nom. nud.

Fringilla aterrima Cass., Proc. Phil. Acad. vi, 1852, p. 185: nom. nud.

Distr.—Borneo; Banguey Island; Natuna Islands.

Munia molucca (Linn.).

Moluccan Munia.

[*Munia molucca molucca* (Linn.).

Loxia molucca Linn., Syst. Nat. 12th ed. i, 1766, p. 302: Amboina.

Distr.—Extra-limital.]

***Munia molucca propinqua** (Sharpe).

Uroloncha propinqua Sharpe, Cat. Birds, xiii, 1890, p. 368: Flores.

Uroloncha kangeangensis Vorderm., Nat. Tijds. Ned. Ind. 1893, lii, p. 199: Kangean Island.

Distr.—Kangean Islands.

Genus **ERYTHURA** Swainson.²

Erythura prasina (Sparrm.).

Long-tailed Munia.

Erythura prasina prasina (Sparrm.).

Loxia prasina Sparrman, Mus. Carls. 1788, pls. 72, 73: Java.

Emberiza quadricolor Gmel., Syst. Nat. i, pt. 2, 1789, p. 886: Java.

Emberiza cyanopsis Gmel., Syst. Nat. i, pt. 2, 1789, p. 886: Java.

Fringilla sphenura Temm., Pl. Col. 96, 1822: Java.

Fringilla sphenura Swains. in Jard. Nat. Libr., Birds West Africa, i, 1837, p. 204: nom. nov.

Erythura viridis Swains. in Jard. Nat. Libr., Birds West Africa, i, 1837, p. 204, footnote: nom. nov.

Distr.—Malay Peninsula.

Sumatra.

Java.

¹ Both *leucogastra* and *leucogastroides* occur in South Sumatra: the latter is probably introduced.

² Cf. Mayr, Amer. Mus. Nov. 1931, p. 489, p. 1.

PLOCEIDÆ.

Erythura prasina coelica Baker.

Erythrura prasina coelica Stuart Baker, Bull. Brit. Orn. Cl., xlv, 1925, p. 84: Borneo.

Distr.—Borneo.

Erythura hyperythra (Reichenb.).

Bamboo-Munia.

Erythura hyperythra hyperythra (Reichenb.).

Chlorura hyperythra Reichenbach, Singvög. 1862, p. 33, tab. xi, fig. 97: New Guinea error=Java.

Distr.—Java (west).

Erythura hyperythra malayana (Rob.).

Chlorura hyperythra malayana Robinson, Bull. Brit. Orn. Cl., xlviii, 1928, p. 72: Cameron's Highlands, Malay States.

Distr.—Malay States.

Erythura hyperythra borneensis (Sharpe).

Chlorura borneensis Sharpe, Ann. Mag. Nat. Hist. (6) iii, 1889, p. 424: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Genus **PLOCEËLLA** Hume.

Ploceëlla hypoxantha (Sparrm.).¹

Golden Weaver-Finch.

Ploceëlla hypoxantha hypoxantha (Sparrm.).²

Loxia hypoxantha Sparrman, Mus. Carls. iii, 1788, tab. 71: Sumatra.

Loxia javanensis Less., Traité d'Orn. 1831, p. 446: Java.

Distr.—Sumatra.

Java.

Genus **PLOCEUS** Cuvier.

Ploceus philippinus (Linn.).

Weaver-Finch.

[**Ploceus philippinus philippinus** (Linn.).

Loxia philippina Linn., Syst. Nat. 12th. ed. i, 1766, p. 305: Philippines error=Ceylon.

Distr.—Extra-limital.]

¹ The Continental form of this species seems separable and is *P. h. chrysea* Hume (Tenasserim).

² At one time introduced birds were apparently well-established and breeding in the Cocos-Keeling Islands.

Ploceus philippinus infortunatus Hart.¹

Ploceus passerinus infortunatus Hartert, Nov. Zool. ix, 1902, p. 578: Pahang, Malay States.

Distr.—Malay Peninsula.

Sumatra; Nias Island.

Java.

Ploceus manyar (Horsf.).²

Streaked Weaver-Finch.

Ploceus manyar manyar (Horsf.).

Fringilla Manyar Horsfield, Trans. Linn. Soc. xiii, 1821, p. 160: Java.

Nelicurvius emberisus Reichenb., Singv. 1861, p. 76, t. 34, figs. 269—272: Ceram=Java.

Distr.—Java; Bali; Bawean Island.

Family STURNIDÆ.

Genus STURNOPASTOR Blyth.

Sturnopaster contra (Linn.).

Rose-coloured Starling.

[**Sturnopaster contra contra** (Linn.).

Sturnus Contra Linn., Syst. Nat. 10th. ed. 1758, p. 167: India.

Distr.—Extra-limital.]

Sturnopaster contra jalla (Horsf.).

Pastor Jalla Horsfield, Trans. Linn. Soc. xiii, 1821, p. 155: Java.

Pastor oricularius Drap., Dict. Class. vii, 1841, p. 153: Java.

Distr.—Sumatra.

Java; Bali.

Genus STURNIA Lesson.

Sturnia sinensis (Gmel.).

Chinese Starling.

Oriolus sinensis Gmelin, Syst. Nat. i, pt. i, 1788, p. 394: China.

Distr.—Malay Peninsula.

***Sturnia philippensis** (Forst.).

Violet Starling.

Motacilla philippensis Forster, Ind. Zool., 1781, p. 41: Philippine Islands.

Distr.—Borneo.

¹ Cf. Ticehurst, Bull. B. O. C. lii, 1932, p. 104.

² Stres., Nov. Zool. xix, 1912, p. 318.

Sturnia sturnina (Pall.).

Daurian Starling.

Gracula sturnina Pallas, Reise Prov. Russ. Reichs. iii, 1776, p. 695 : Dauria.*Turdus striga* Raffles, Trans. Linn. Soc. xiii, 1822, p. 311 : Sumatra.*Pastor malayensis* Eyton, Proc. Zool. Soc. 1839, p. 103 : Malacca.*Distr.*—Malay Peninsula.

Sumatra; Simalur and Sipora Islands, West Sumatra.

Java.

Genus **AMPELICEPS** Blyth.**Ampeliceps coronatus** Blyth.

Gold-crested Myna.

Ampeliceps coronatus Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 194 : Tenasserim.*Distr.*—Peninsular Siam.Genus **GRACUPICA** Lesson.¹**Gracupica melanoptera** (Daud.).

Javan Myna.

Gracupica melanoptera melanoptera (Daud.).²*Gracula melanoptera* Daudin, Traité d'Orn. ii, 1800, p. 286 : West Java.*Distr.*—Java (west).**Gracupica melanoptera tricolor** (Horsf.).*Pastor tricolor* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 155 :

Java (restr., East Java, Rob. and Kloss, 1924).

Distr.—Java (east).**Gracupica melanoptera tertia** Hart.*Graculipica tertia* Hartert, Nov. Zool. iii, 1896, p. 547 : Bali.*Distr.*—Bali.Genus **ACRIDOTHERES** Vieillot.**Acridotheres tristis** (Linn.).

Common Myna.

Acridotheres tristis tristis (Linn.).*Paradisea tristis* Linn., Syst. Nat. 12th. ed. i, 1766, p. 167 :

Philippines, error = Calcutta (Baker).

Distr.—Peninsular Siam.³¹ *Gracupica leucocephala* has been recorded from Perak, but we do not believe the bird exists there in a wildstate.² Has been introduced into Singapore but seems to have died out.³ Introduced birds are established in several places in the Malay States, notably in Perak and Province Wellesley. There are a few pairs on Singapore Island.

Genus **ÆTHIOPSAR** Oates.**Æthiopsar fuscus** (Wagl.).[**Æthiopsar fuscus fuscus** (Wagl.).*Pastor fuscus* Wagler, Syst. Avium, 1827, *Pastor*, sp. 6: India = Nepal (*restr.*, Rob. and Kloss, 1924).**Æthiopsar fuscus torquatus** (Davison).

Buffalo Myna.

Acridotheres torquatus Davison, Ibis, 1892, p. 102: Pahang.*Distr.*—Malay Peninsula.**Æthiopsar grandis** (Horsf. and Moore).

Jungle Myna.

[**Æthiopsar grandis grandis** (Horsf. and Moore).*Acridotheres grandis* Horsfield and Moore, Cat. Bds. Mus. East India Coy. ii, 1858, p. 537: Sumatra, error = Tenasserim (*Baker*).*Distr.*—Extra-limital.]**Æthiopsar grandis javanicus** (Cab.).*Acridotheres javanicus* Cabanis, Mus. Hein. i, 1850, p. 205: Java.*Pastor griseus* (not of Wagl. 1800) Horsf., Trans. Linn. Soc. xiii, 1821, p. 154: Java.*Distr.*—Java; Christmas Island (introd.).

Sumatra (introd.).

Genus **LEUCOPSAR** Stresemann.**Leucopsar rothschildi** Stres.*Leucopsar rothschildi* Stresemann, Bull. Brit. Orn. Cl. xxxi, 1912, p. 4: Bali.*Distr.*—Bali.Family **GRACULIDÆ**.Genus **GRACULA** Linn.**Gracula religiosa** Linn.¹

Grackle.

Gracula religiosa religiosa Linn.²*Gracula religiosa* Linn., Syst. Nat. 10th. ed. 1, 1758, p. 108: Java.*Pastor musicus* Temm., Man. d'Orn. 2nd. ed. i, 1820, pl. 55: Java.*Eulabes javanus* Cuv., Règne Anim. 2nd. ed. i, 1829, p. 377: Java.*Mainatus sumatranus* Less., Traité d'Orn. 1830, p. 357: Sumatra.*Gracula javanensis* Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 31:

Malacca.

Distr.—Malay Peninsula (north to Tráng).

Sumatra; Rhio Archipelago; Banka; Billiton.

Borneo; Natuna Islands; Karimata Islands.

Java; Bali; Kangean Islands; Christmas Island (introd.).

¹ Revisions: Stres., Nov. Zool. xix, 1912, p. 313; Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 92.² Oberholser (1932) also quotes as a synonym:—*Gracula minor* Forst., Ind. Zool. 1781; based on Edwards, Nat. hist. uncommon birds i, 1776, pl. 17, p. 17 (Borneo).

Gracula religiosa intermedia A. Hay.

Gracula intermedius A. Hay, Madr. Journ. Lit. Sci. xiii, pt. 2, 1844, p. 157 : Cachar.

Distr.—Peninsular Siam.

Gracula religiosa prasiocara Oberh.

Gracula javana prasiocara Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 55 : Pulau Piling, Anamba Islands.

Distr.—Tioman Island; Anamba and Tambelan Islands.

***Gracula religiosa baweana** Oberh.

Gracula javensis baweana Oberholser, Proc. U.S. Nat. Mus. lii, 1917, p. 195 : Bawean Island.

Distr.—Bawean Island, Java Sea.

Gracula religiosa miotera Oberh.

Gracula javanensis miotera Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 16 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Gracula religiosa ophellochlora** Oberh.

Gracula javanensis ophellochlora Oberholser, Smiths. Misc. Coll. lx, no. 7, 1912, p. 17 : Tuanku Island, Banjak Islands.

Distr.—Banjak Islands, West Sumatra.

Gracula religiosa robusta Salvad.

Gracula robusta Salvadori, Ann. Mus. Civ. Gen. (2) iv, 1887, p. 554 : Nias Island.

Distr.—Nias and Babi Islands, West Sumatra.

Gracula religiosa batuensis Finsch.

Gracula batuensis Finsch, Notes Leyden Mus. xxi, 1899, p. 14 : Tello Island, Batu Islands.

Distr.—Batu and Mentawi Islands, West Sumatra.

Gracula religiosa enganensis Salvad.

Gracula enganensis Salvadori, Ann. Mus. Civ. Gen. (2) xii, 1892, p. 137 : Engano Island.

Distr.—Engano Island, West Sumatra.

Genus **APLONIS** Gould.**Aplonis panayensis** (Scop.).¹

Tree-Starling.

[Aplonis panayensis panayensis (Scop.).

Muscicapa panayensis Scopoli, Del Flor. et Faun. Insubr. ii, 1783, p. 96 : Philippine Islands.

Distr.—Extra-limital.]

¹ Revisions: Stres., Zool. Nov. xx, 1913, p. 375 : Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 94.

Aplonis panayensis strigatus (Horsf.).

Turdus strigatus Horsfield, Trans. Linn. Soc. xiii, 1821, p. 148 : Java.

Turdus chalybeus Horsf., Trans. Linn. Soc. xiii, 1821, p. 148 : Java.

Lanius insidiator Raffles, Trans. Linn. Soc. xiii, 1822, p. 307 : Sumatra.

Lamprocorax panayensis eustathis Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 516 : East Borneo.

Lamprocorax panayensis halictypus Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 516 : Telibon Island, Trang, Peninsular Siam.

Distr.—Malay Peninsula.¹

Sumatra; Banka; Billiton.

Borneo.

Java.

Aplonis panayensis gusti Stres.

Aplonis panayensis gusti Stresemann, Nov. Zool. xx, 1913, p. 375 : Bali.

Distr.—Bali.

Aplonis panayensis heterochlorus (Oberh.).

Lamprocorax panayensis heterochlorus Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 57 : Mobur Island, Anamba Islands.

Distr.—Aor and Tioman Islands; Rhio Archipelago; Anamba Islands; Tambelan Islands.

Natuna Islands; Mantanani Islands; North Bornean Islands; Karimata Islands.

***Aplonis panayensis richmondi** (Oberh.).

Lamprocorax panayensis richmondi Oberholser, Proc. U.S. Nat. Mus. lv, 1919, p. 272 : Taya Island, South-east Sumatra.

Distr.—Taya Island, South-east Sumatra.

Aplonis panayensis alipodis (Oberh.).

Lamprocorax panayensis alipodis Oberholser, Journ. Wash. Acad. Sci. xvi, 1926, p. 516 : Panjang Island, near Maratua Island, East Borneo.

Aplonis panayensis suggrandis Bangs and Peters, Occ. Pap. Bost. Soc. Nat. Hist. v, 1927, p. 241 : Maratua Island, East Borneo.

Distr.—Maratua Islands, East Borneo.

Aplonis panayensis altirostris (Salvad.).

Calornis altirostris Salvadori, Ann. Mus. Civ. Gen. (2) iv, 1887, p. 553, pl. 9, fig. 1 : Nias Island.

**Lamprocorax chalybeus rhadinorhynchus* Oberh., Smiths. Misc. Coll. lx, No. 7, 1912, p. 17 : Simalur Island.

**Lamprocorax panayensis nesodramus* Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 516 : Babi Island.

Distr.—West Sumatran islands of Simalur, Babi and Nias.

¹ Birds from the Malay Peninsula are really *A. p. strigatus* > *affinis* Blyth. While it seems clear that the northern part of Sumatra is occupied by a small race (*strigatus*), I have recently been puzzled by the receipt of three very large birds with wings measuring 108—115 mm. Perhaps they are migrants from elsewhere.

***Aplonis panayensis leptorrhynchus** Stres.

Aplonis panayensis leptorrhynchus Stresemann, Nov. Zool. xx, 1913,
p. 377 : Pinie Island, West Sumatra.

Distr.—Batu Islands, West Sumatra.

Aplonis panayensis pachistorhinus (Oberh.).

Lamprocorax chalybeus pachistorhinus Oberholser, Smiths. Misc.
Coll. lx, no. 7, 1912, p. 17 : South Pagi Island.

Distr.—Mentawi Islands (Siberut, Sipora, Pagi), West Sumatra.

***Aplonis panayensis enganensis** (Salvad.).

Calornis enganensis Salvadori, Ann. Mus. Civ. Gen. (2) xii, 1892,
p. 137 : Engano Island.

Distr.—Engano Island, West Sumatra.

Aplonis minor (Bp.).

Small Tree-Starling.

Aplonis minor minor (Bp.).

Lamprotornis minor Bonaparte, Consp. Gen. Avium i, 1850, p. 417 :
Timor.

Distr.—Java; Bali.

Family ORIOLIDÆ.

Genus **ORIOLUS** Linn.¹**Oriolus chinensis** (Linn.).

Black-naped Oriole.

[Oriolus chinensis chinensis Linn.

Oriolus chinensis Linn., Syst. Nat. 12th. ed. i, 1766, p. 160 :
China error = Manila (*restr. Meinertzhagen, 1923*).

Distr.—Extra-limital.]

Oriolus chinensis diffusus Sharpe.

Oriolus diffusus Sharpe, Cat. Bds. Brit. Mus. iii, 1877, p. 197 :
Malabar.

Distr.—Malay Peninsula.

Oriolus chinensis maculatus Vieill.

Oriolus maculatus Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, xviii,
1817, p. 194 : Java.

Oriolus coronatus Swains., Anim. in Menag. 1838, p. 342 : Java.

Oriolus horsfieldi Bp., Consp. Gen. Av. i, 1850, p. 348 : "Malaiasia"
= Java.

Distr.—Sumatra; Billiton; Banka; Nias (? subsp.).

Borneo.

Java; Bali.

¹ Review : Meinertzhagen, Ibis, 1923, p. 52.

ORIOLIDÆ.

**Oriolus chinensis insularis* Vordérth.

Oriolus insularis Vorderman, Nat. Tijds. Ned. Ind. lii, 1893, p. 200 : Kangean Island.

Distr.—Kangean Islands; islands of Sapudi and Raas, east of Madura.

**Oriolus chinensis lamprochryseus* Oberh.

Oriolus maculatus lamprochryseus Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 186 : Solombo Besar Island, Java Sea.

Distr.—Solombo Besar and Arends Island, Java Sea.

Oriolus chinensis mundus Richm.

Oriolus mundus Richmond, Proc. U.S. Nat. Mus. xxvi, 1903, p. 517 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

Oriolus chinensis siberu Chas. and Kloss.

Oriolus chinensis siberu Chasen and Kloss, Ibis, 1926, p. 294 : Siberut Island.

Distr.—Siberut Island, West Sumatra.

Oriolus chinensis sipora Chas. and Kloss.

Oriolus chinensis sipora Chasen and Kloss, Ibis, 1926, p. 294 : Sipora Island.

Distr.—Sipora Island, West Sumatra.

**Oriolus chinensis richmondi* Oberh.

Oriolus maculatus richmondi Oberholser, Smiths. Inst. Misc. Coll. lx, no. 7, 1912, p. 16 : North Pagi Island.

Distr.—Pagi Islands, West Sumatra.

Oriolus xanthornus (Linn.).

Indian Black-headed Oriole.

[*Oriolus xanthornus xanthornus* (Linn.).

Coracias xanthornus Linn., Syst. Nat. 10th. ed. 1758, p. 108 : Bengal.

Distr.—Extra-limital.]

Oriolus xanthornus thaiocous Hart.

Oriolus luteolus thaiocous Hartert, Bull. Brit. Orn. Cl. xxxviii, 1918, p. 63 : Koh Lak, South-west Siam.

Distr.—Peninsular Siam.¹
Sumatra.

¹ More precisely, south to the Langkawi Islands.

**Oriolus xanthornus tanakae* Kuroda.¹

Oriolus xanthornus tanakae Kuroda, *Tori*, iv, 19, 1925, p. 3 :
Tawao, east coast of British North Borneo.

Distr.—Borneo; Maratua Islands.

Oriolus xanthonotus Horsf.

Black-headed Oriole.

Oriolus xanthonotus xanthonotus Horsf.

Oriolus Xanthonotus Horsfield, *Trans. Linn. Soc.* xiii, 1821, p. 152 :
Java.

Xanthonotus leucogaster Temm., *Pl. Col.* 214, 1823 : Java.

Oriolus castanopterus Blyth, *Journ. As. Soc. Bengal*, xi, 1842, p. 796 :
Singapore.

Distr.—Malay Peninsula.
Sumatra; Banka.
Borneo (west).
Java.

Oriolus xanthonotus consobrinus Wardl. Rams.

Oriolus consobrinus Wardlaw Ramsay, *Proc. Zool. Soc.* 1879, p.
709 : Sandakan, North Borneo.

Distr.—Borneo (north); North Bornean Islands.

Oriolus xanthonotus mentawi Chas. and Kloss.

Oriolus xanthonotus mentawi Chasen and Kloss, *Ibis*, 1926, p. 295 :
Siberut Island.

Distr.—Siberut and Sipora Islands, West Sumatra.

Oriolus hosii Sharpe.

Oriolus hosii Sharpe, *Bull. Brit. Orn. Cl.*, i, 1892, p. 4 : Mt. Dulit,
Sarawak, Borneo.

Distr.—Borneo.

Oriolus cruentus (Wagl.).

Black-and-Crimson Oriole.

Oriolus cruentus cruentus (Wagl.).

Leptopteryx cruentus Wagler, *Syst. Av.*, 1827, addit. *Leptopteryx*,
sp. 9 : Java.

Ocypterus sanguinolentus Temm., *Pl. Col.* 499, 1830, pl. 499 : Java.

Erythrolane rubropectus Less., *Rev. Mag. Zool.* 1840, p. 274 : new name
only (nud.).

Distr.—Java.

Oriolus cruentus consanguineus (Wardl. Rams.).

Analcipus consanguineus Wardlaw Ramsay, *Ibis*, 1881, p. 33, pl. 1,
figs. 2, 3 : Sumatra.

Distr.—Sumatra.

¹ The recent discovery of an, apparently, resident race of this Oriole in Borneo, where its range must be very restricted, is remarkable.

Oriolus cruentus malayanus Rob. and Kloss.

Oriolus cruentus malayanus Robinson and Kloss, Journ. Fed. Malay States Mus. xi, 1923, p. 56: Semangko Pass, Malay States.

Distr.—Malay States.

Oriolus cruentus vulneratus Sharpe.

Oriolus vulneratus Sharpe, Ibis, 1887, p. 437: Mt. Kinabalu, North Borneo.

Distr.—Borneo.

Family DICRURIDÆ.

Genus **DICRURUS** Vieillot.

Dicrurus annectans (Hodgs.).¹ Crow-billed Drongo.

Dicrurus annectans annectans (Hodgs.).

Bhuchanga annectans Hodgson, Ind. Rev. i, 1837, p. 326: Nepal.

Edolius affinis Blyth, Journ. Asiat. Soc. Bengal, xi, 1842, p. 174: Malacca.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

Java (west).

Dicrurus macrocercus Vieill.² Black Drongo.

***Dicrurus macrocercus macrocercus** Vieill.

Dicrurus macrocercus Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, ix, 1817, p. 588: Peninsular India.

Distr.—Extra-limital.]

Dicrurus macrocercus cathæcus Swinh.

Dicrurus cathæcus Swinhoe, Proc. Zool. Soc. 1871, p. 377: South China.

Distr.—Peninsular Siam.

Dicrurus macrocercus javanus Kloss.⁴

Dicrurus macrocercus javanus Kloss, Journ. Fed. Malay States Mus. x, 1921, p. 208: East Java.

Distr.—Java; Bali.

¹ Revision, Baker, Nov. Zool. xxvi, 1919, p. 41.

² Revision, Baker, Nov. Zool. xxv, 1918, p. 296; Kloss, Journ. F.M.S. Mus. x, 1921, p. 207; Ticehurst, Bull. B. O. C. liii, 1932, p. 20.

³ Stephen's selection of "India" for the type locality of *D. indicus* (1826), based on "Le Drongolon" of Levaillant is earlier than Cabanis' fixation of "Java" for *D. bilobus* (1850) based on the same plate.

⁴ We suggest that "*Buchanga atra* Herm." Richm., Proc. U.S. Nat. Mus. xxvi, 1903, p. 516 is *Dicrurus annectans*.

Dicrurus longicaudatus Jerd.

Grey Drongo.

[**Dicrurus longicaudatus longicaudatus** Jerd.*Dicrurus longicaudatus* Jerdon, Madras Journ. Lit. Sci. xiii, pt. 2, 1845, p. 121: Nilgiris.*Distr.*—Extra-limital.]**Dicrurus longicaudatus intermedius** Blyth.*Dicrurus intermedius* Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 298: Penang.*Distr.*—Malay Peninsula (south to Perak).**Dicrurus leucophaeus** Vieill.¹

Ashy Drongo.

Dicrurus leucophaeus leucophaeus Vieill.*Dicrurus leucophaeus* Vieillot, Nov. Dict. d'Hist. Nat., ed. 2, ix, 1817, p. 587: Ceylon error=Java (*Tweeddale*, 1878).*Edolius cineraceus* Horsf., Trans. Linn. Soc. xiii, 1821, p. 145: Java.*Dicrurus ceylonensis* Stephs., in Shaw's Gen. Zool. (Aves) xiii, (2) 1826, p. 140: Java.*Dicrurus cinereus* Swains., Class Bds. ii, 1837, p. 223: Java.*Distr.*—Java; Bali.**Dicrurus leucophaeus phaedrus** Reichen.*Buchanga stigmatops phaedra* Reichenow, Wissensch. Ergebn. Deutsch Tiefsee Exped. vii, 1904, p. 356: West Sumatra.*Buchanga leucophaea batakenensis* Rob. and Kloss, Journ. Straits Branch Roy. Asiat. Soc. lxxx, 1919, p. 125: North-east Sumatra.*Distr.*—Sumatra.**Dicrurus leucophaeus stigmatops** Sharpe.*Buchanga stigmatops* Sharpe, Proc. Zool. Soc. 1879, p. 247: North-west Borneo.*Buchanga leucophaea penrissenensis* Harrison and Hartley, Bull. B. O. Cl. liv, 1934, p. 157: Mt. Penrissen, Sarawak.*Buchanga leucophaea dulitensis* Harr. and Hart., Bull. B. O. Cl. liv, 1934, p. 158: Mt. Dulit, Sarawak.*Distr.*—Borneo.**Dicrurus leucophaeus leucogenis** (Wald.).*Buchanga leucogenis* Walden, Ann. Mag. Nat. Hist. (4), v, 1870, p. 219: Japan, error=Yunnan (*restr. Kloss*, 1931).*Dicrurus leucogenys* var. *salangensis* Reichen., Nomenc. Mus. Hein. 1890, p. 69: Junk Seylon.*Distr.*—Malay Peninsula.

¹ Revisions: Baker, Nov. Zool. xxv, 1918, p. 291; Stres., Orn. Monatsber. xxxviii, 1930, p. 58; Kloss, Treubia, xiii, 1931, p. 358.

² We have not seen this reference but the name is, no doubt, founded on a migrant and may therefore antedate *D. l. cerussatus*.

Dicrurus leucophaeus cerussatus (Bangs and Phillips).

Buchanga leucogenys cerussata Bangs and Phillips, Bull. Mus. Comp. Zool. Harvard, lviii, 1914, p. 302 : Hupeh, China.

Distr.—Peninsular Siam.

***Dicrurus leucophaeus celaenus** Oberh.

Dicrurus cineraceus celaenus Oberholser, Smiths. Misc. Coll. 1x, no. 7, 1912, p. 15 : Simalur Island.

Distr.—Simalur Island, West Sumatra.

Dicrurus leucophaeus siberu Chas. and Kloss.

Dicrurus leucogenis siberu Chasen and Kloss, Ibis, 1926, p. 294 : Siberut Island.

Distr.—Siberut Island, West Sumatra.

Dicrurus leucophaeus periophthalmicus Salvad.

Buchanga periophthalmica Salvadori, Ann. Mus. Genov. (2) xiv, 1894, p. 594 : Sipora Island.

Dicrurus leucogenis diporus Oberholser, Smiths. Misc. Coll. 1x, No. 7, 1912, p. 15 : North Pagi Island, West Sumatra.

Distr.—Sipora and Pagi Islands, West Sumatra.

Dicrurus hottentottus (Linn.).¹

Hair-crested Drongo.

[*Dicrurus hottentottus hottentottus* (Linn.).

Corvus hottentottus Linn., Syst. Nat. 12th. ed. 1, 1766, p. 155 : Sikkim (Baker, 1919).

Distr.—Extra-limital.]

Dicrurus hottentottus sumatranus Wardl. Rams.

Dicrurus sumatranus Wardlaw Ramsay, Proc. Zool. Soc. 1880, p. 15 : West Sumatra.

Distr.—Sumatra.

Dicrurus hottentottus borneensis (Sharpe).

Dicruropsis borneensis Sharpe, Proc. Zool. Soc. 1879, p. 246 : North-west Borneo.

Distr.—Borneo.

***Dicrurus hottentottus termeuleni** (Finsch).

Chibia ter Meuleni Finsch, Journ. f. Orn. liv, 1907, p. 302 : Thousand Islands, Java Sea (off West Java).

Distr.—Thousand Islands, West Java.

¹ Revision : Baker, Nov. Zool. xxvi, 1919, p. 44 ; Kloss, Journ. F.M.S. Mus. x, 1921, p. 221.

DICRURIDÆ.

Dicrurus hottentottus jentinki (Vorderm.).

Chibia jentinki Vorderman, Nat. Tijdschr. Ned. Ind. lii, 1893, p. 194: Kangean Island.

Distr.—Java (east); Bali; Kangean Island.

***Dicrurus hottentottus sirensis** (Oberh.).

Dicruropsis pectoralis sirensis Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 198: Pulau Mata Siri, Java Sea.

Distr.—Mata Siri Island, Java Sea.

***Dicrurus hottentottus solombensis** (Oberh.).

Dicruropsis pectoralis solombensis Oberholser, Proc. U.S. Nat. Mus. liv, 1917, p. 184: Solombo Besar Island, Java Sea.

Distr.—Solombo Besar Island, Java Sea.

Dicrurus hottentottus viridinitens (Salvad.).

Dicruropsis viridinitens Salvadori, Ann. Mus. Civ. Gen. (2) xiv, 1894, p. 593: Sipora Island.

Distr.—Mentawi Islands (Siberut, Sipora, Pagi), West Sumatra.

Dicrurus hottentottus suluensis Hart.

Dicrurus suluensis Hartert, Nov. Zool. ix, 1902, p. 441: Sulu Islands.

Distr.—Maratua Islands, East Borneo.

Genus **CHAPTIA** Hodgson.¹

Chaptia aenea (Vieill.).

Bronzed Drongo.

[**Chaptia aenea aenea** (Vieill.).

Dicrurus aeneus Vieillot, Nov. Dict. d'Hist. Nat., ed. 2, ix, 1817, p. 586: Bengal.

Distr.—Extra-limital.]

[**Chaptia aenea malayensis** Blyth.

Chaptia malayensis "A. Hay", Blyth, Journ. Asiat. Soc. Bengal, xv, 1846, p. 294: Malacca.

Edolius picinus Bp., Consp. Gen. Av. 1850, p. 352: Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Borneo.

¹ Revisions: Baker, Nov. Zool. xxv, 1918, p. 303; Chas. and Kloss, Bull. Raff. Mus. 4, 1930, p. 96.

Genus **BHRINGA** Hodgson.¹**Bhringa remifer** (Temm.). Lesser Racquet-tailed Drongo.**Bhringa remifer remifer** (Temm.).*Edolius remifer* Temminck, Pl. Col. 178, 1823 : Java.*Bhringa remifer sumatrana* Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 57 : Korinchi, West Sumatra.*Distr.*—Sumatra.
Java.**Bhringa remifer peracensis** Baker.*Bhringa remifer peracensis* Stuart Baker, Bull. Brit. Orn. Cl. xxxix, 1918, p. 18 : Mountains of Perak.*Bhringa remifer attenuata* Rob. and Kloss, Journ. Fed. Malay States Mus. viii, pt. 21, 1918, p. 235 : Malay States.*Distr.*—Malay States².Genus **DISSEMURUS** Gloger.**Dissemurus paradiseus** (Linn.).³ Large Racquet-tailed Drongo.**[Dissemurus paradiseus paradiseus** (Linn.).*Cuculus paradiseus* Linn., Syst. Nat. 12th. ed. i, 1766, p. 172 : Siam (restr. Bangkok to Ayuthia, Kloss, 1919).*Distr.*—Extra-limital.]**Dissemurus paradiseus malayensis** (Blyth).*Edolius malayensis* Blyth, Journ. Asiat. Soc. Bengal, xxviii, 1859, p. 272 : Penang (restr. Kloss, 1918).*Dissemurus paradiseus hypoballus* Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 518 : Trang, Peninsular Siam.*Distr.*—Malay Peninsula (south to Lat. 4° N.).**Dissemurus paradiseus platurus** (Vieill.).*Dicrurus platurus* Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, ix, 1817, p. 588 : Malacca (restr. Rob. and Kloss, 1920).*Dissemurus paradiseus messatus* Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 519 : Singapore Island.*Dissemurus paradiseus siakensis* Oberh., Journ. Wash. Acad. Sci. xvi, 1926, p. 519 : Siak River, East Sumatra.*Dissemurus paradiseus colpiotes* Oberh., Journ. Wash. Acad. Sci. xvi, 1916, p. 520 : North-west Sumatra.*Distr.*—Malay States (south of Lat. 4° N.).

Sumatra; Rhio and Lingga Archipelagos; Banka.

¹ Cf. Baker, Nov. Zool. xxvi, 1919, p. 42.² Not yet actually recorded from Peninsular Siam, but almost certain to occur there.³ Revisions : Rob., Journ. F.M.S. Mus. vii, 1917, p. 187; Baker, Nov. Zool. xxv, 1918, p. 299; Oberh., Bull. U.S. Nat. Mus. 159, 1932, p. 99.

Dissemurus paradiseus microlophus Oberh.¹

Dissemurus paradiseus microlophus Oberholser, Bull. U.S. Nat. Mus. 98, 1917, p. 59: Pulau Jimaja, Anamba Islands.

Dissemurus paradiseus endomychus Oberh., Bull. U.S. Nat. Mus. 150, 1932, p. 98: Pulau Lingung, North Natuna Islands.

Distr.—Anamba Islands; Tioman Archipelago.
North Natuna Islands.

Dissemurus paradiseus brachyphorus (Bp.).

Edolius brachyphorus Bonaparte, Consp. Gen. Avium, i, 1850, p. 351: South Borneo.

Dissemurus paradiseus insularis Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 58: Sarawak.

Distr.—Borneo.

Dissemurus paradiseus banguay Chas. and Kloss.

Dissemurus paradiseus banguay Chasen and Kloss, Journ. f. Ornith. 1929, ii, p. 120: Banguay Island, North Borneo.

Distr.—North Bornean islands of Banguay and Balambangan.

Dissemurus paradiseus formosus Cab.

Dissemurus formosus Cabanis, Mus. Hein. i, 1850, p. 111: Java.

Dissemurus paradiseus wallacei Hachisuka, Bull. Brit. Orn. Cl. xlvii, 1926, p. 58: East Java.

Distr.—Java.

***Dissemurus paradiseus olizurus** Oberh.

Dissemurus paradiseus olizurus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 15: Simalur Island.

Distr.—Simalur Island, West Sumatra.

***Dissemurus paradiseus pachistus** Oberh.

Dissemurus paradiseus pachistus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 16: Lasia Island.

Distr.—Lasia Island, West Sumatra.

***Dissemurus paradiseus elassopterus** Oberh.

Dissemurus paradiseus elassopterus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 16: Babi Island.

Distr.—Babi Island, West Sumatra.

***Dissemurus paradiseus adelphus** Oberh.

Dissemurus paradiseus adelphus Oberholser, Smiths. Misc. Coll. lx, No. 7, 1912, p. 15: Nias Island.

Distr.—Nias Island, West Sumatra.

¹ The races are curiously mixed in the Tioman Archipelago and some birds could be equally well referred to *platurus*.

Family CORVIDÆ.

Genus **CORVUS** Linn.¹**Corvus macrorhynchos** Wagl. Large-billed Crow.**Corvus macrorhynchos macrorhynchos** Wagl.*Corvus macrorhynchos* Wagler, Syst. Av., 1827, *Corvus* sp. 3 : Java.*Distr.*—Malay Peninsula.

Sumatra; Nias Island.

? Borneo.²

Java; Bali; Kangean Islands.

Corvus splendens Vieill. House-Crow.**[Corvus splendens splendens** Vieill.*Corvus splendens* Vieillot, Nov. Dict. d'Hist. Nat. ed. 2, viii, 1817,
p. 44 : Bengal.*Distr.*—Extra-limital.]**Corvus splendens protegatus** Madar.*Corvus splendens protegatus* Madarasz, Orn. Monatsber. xii, 1904,
p. 195 : Ceylon.*Distr.*—Malay States (introduced).**Corvus enca** (Horsf.). Slender-billed Crow.**Corvus enca enca** (Horsf.).*Fregilus enca* Horsfield, Trans. Linn. Soc. xiii, 1821, p. 164 : Java.*Distr.*—Mentawi Islands, West Sumatra.

Java; Bali.

Corvus enca compiler Richm.*Corvus compiler* Richmond, Proc. U.S. Nat. Mus. xxvi, 1903,
p. 518. New name for *Corvus tenuirostris* Horsf. and Moore
(not Brehm, 1855) Cat. Bds. Mus. East India Coy. ii, 1858,
p. 558 : Bombay, error=Malacca (*Blyth*, 1863).*Distr.*—Malay States.Sumatra; Rhio Archipelago; West Sumatran islands of
Simalur and Nias.

Borneo.

¹ Revisions: Stres., Verh. Orn. Gesell. Bay. xii, 1916, p. 277; Kloss,
Journ. F.M.S. Mus. x, 1921, p. 223; Meinert., Nov. Zool. xxxiii, 1926, p. 57.

² We seen the specimen from Labuan on which the locality "Borneo"
rests and feel a little doubtful about its identity: it is not quite normal.

Genus **DENDROCITTA** Gould.**Dendrocitta occipitalis** (S. Müll.). Malaysian Tree-pie.**Dendrocitta occipitalis occipitalis** (S. Müll.).*Glaucopis occipitalis* Sal. Müller, Tijds. Nat. Ges. Phys. ii, 1835, p. 343, pl. v: Sumatra.*Dendrocitta rufigaster* Gould, Proc. Zool. Soc. 1837, p. 80: Sumatra.*Distr.*—Sumatra.**Dendrocitta occipitalis cinerascens** Sharpe.*Dendrocitta cinerascens* Sharpe, Ibis, 1879, p. 250, pl. 8: Mt. Kinabalu, North Borneo.*Dendrocitta sinensis tuckeri* Harrison and Hartley, Bull. Brit. Orn. Cl. liv, 1934, p. 156: Mt. Dulit, Sarawak.¹*Distr.*—Borneo.Genus **CRYPsirina** Vieillot.**Crypsirina temia**² (Daud.). Racquet-tailed Magpie.*Corvus temia* Daudin, Traité Elem. Orn. 1800, p. 244: Africa error = Java (*Stuart Baker*, 1930).*Corvus varians* Lath., Index Orn. Suppl. 1801, p. 26: Java.*Corvus caudatus* Shaw and Nodder, Nat. Misc. xiv, 1803, pl. 561: Java.*Temia vaillantii* Schinz, Cuv.'s Thierréich, i, 1821, p. 614: Java.*Distr.*—Peninsular Siam.

Sumatra.

Java; Bali.

Genus **KITTA** Temminck.³**Kitta chinensis** (Bodd.). Hunting-Crow, or Green Magpie.**[Kitta chinensis chinensis** (Bodd.).*Coracias chinensis* Boddaert, Tabl. Pl. Enlum. 1783, p. 83: China error = South Siam (*Rob. and Kloss*, 1922).*Distr.*—Extra-limital.]

¹ Eighteen "*tuckeri*" from Mt. Dulit seem inseparable on size, or colour from sixteen exact topotypes of *cinerascens*. The degree of distinctness of the grey cap is a variable feature and I cannot appreciate even an average difference between the two series. The British Museum series, at first sight, does seem to indicate that in birds from Dulit the cap is relatively more sharply defined, but this is a character often influenced by the make-up of the skin, the cap being most obvious in birds in which the head is bent back with the bill in line with the tail. Measured from the base of the two central rectrices the maximum tail-length in the series before me is about 255 mm. in females, and 265 mm. in males from both localities.

² Twenty-four skins from all parts of Siam including some from the type locality of "*longipennis*" give a wing-range of 112–120 mm. against 113–119 mm. in a series from Java: c. f. Naumann, Bull. Brit. Orn. Cl. lv, 1935, p. 136.

³ Revision: Delacour, Rev. Hist. Nat. x, 1929, p. 2.

Kitta chinensis robinsoni (O.-Grant).

Cissa robinsoni Ogilvie-Grant, Bull. Brit. Orn. Cl. xix, 1906, p. 9 :
Mt. Tahan, Pahang, Malay States.

Distr.—Malay States.

Kitta chinensis minor (Cab.).

Cissa minor Cabanis, Mus. Hein. i, 1851, p. 86, note : Sumatra.

Distr.—Sumatra.

Borneo (lowlands).

Kitta chinensis jefferyi (Sharpe).

Cissa jefferyi Sharpe, Ibis, 1888, p. 383 : Mt. Kinabalu, North
Borneo.

Distr.—Borneo (mountains).

Kitta chinensis thalassina Temm.

Kitta thalassina Temminck, Pl. Col. 401, 1826 : Java.

Distr.—Java.

Genus **PLATYSMURUS** Reichenbach.¹

Platysmurus leucopterus (Temm.).

Platysmurus leucopterus leucopterus (Temm.). Wing-winged Jay.

Glaucopis leucopterus Temminck, Pl. Col. 265, 1824 : Sumatra.

Distr.—Malay Peninsula.

Sumatra.

Platysmurus leucopterus aterrimus (Temm.).

Black Jay.

Glaucopis aterrimus Temminck, Pl. Col. 1825, livr. 57 : Borneo.

Platysmurus schlegeli Pelzeln, Verh. Ges. Wien. xxix, 1880, p. 529 :
Sumatra error=Borneo.

Distr.—Borneo.

¹ In view of Reichenbach's excellent plate we can see no reason for dropping this well-established name in favour of *Glenargus* Cab. (c.f. Stuart Baker, 1930).

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